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Jennifer C. Sedlachek  
Project Manager



February 11, 2005

Mr. Jim Tishler  
California Regional Water Quality Control Board  
North Coast Region  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

**RE: Former Mobil RAS #SR-OSA/257 College Avenue, Santa Rosa, California.**

Dear Mr. Tishler:

Attached for your review and comment is a copy of the letter report entitled *Supplemental Evaluation of Soil and Groundwater*, dated February 11, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details evaluation activities for the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

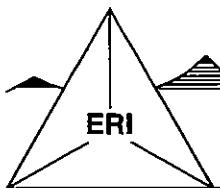
A handwritten signature in black ink, appearing to read "J. Sedlachek".

Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Supplemental Evaluation of Soil and Groundwater, dated February 11, 2005.

cc: w/ attachment  
Mr. Tim Michell, Mission Hand Car Wash and Quik Lube  
Mr. Paul Lowenthal, City of Santa Rosa Fire Department

w/o attachment  
Mr. Robert A. Saur, Environmental Resolutions, Inc.



## **ENVIRONMENTAL RESOLUTIONS, INC.**

February 11, 2005  
ERI 259214.R02

Ms. Jennifer C. Sedlachek  
ExxonMobil Refining & Supply - Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611

Subject: Supplemental Evaluation of Soil and Groundwater, Former Mobil Service Station SR-OSA 257, College Avenue, Santa Rosa, California.

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) has performed an evaluation of soil and groundwater at the subject site. The activities included advancing six soil borings and collecting soil samples from the borings for laboratory analysis. The work was performed in accordance with ERI's *Work Plan for Supplemental Evaluation of Soil and Groundwater* (Work Plan) dated September 14, 2004, and *Addendum to Work Plan* (Addendum) dated December 6, 2004. The Work Plan was approved by the California Regional Water Quality Control Board, North Coast Region (the Regional Board), in a letter dated September 30, 2004. The Addendum was approved by the Regional Board in a telephone conversation with ERI on December 15, 2005.

The site is on the northwestern corner of College Avenue and Morgan Street in Santa Rosa, California, as shown on the Site Vicinity Map (Plate 1). The locations of the former underground storage tanks (USTs), dispenser islands, and other site features are shown on the Generalized Site Plan (Plate 2). The locations of borings drilled as part of this investigation are shown on Plate 3. Land in the vicinity of the site is occupied by residential and commercial properties.

### **BACKGROUND**

The site began operation as a service station in 1956. In August 1989, EMCON Associates (EMCON) installed monitoring wells MW1 through MW4. In April 1991, EMCON drilled soil borings SB1 through SB4 and installed wells MW6 and MW7 (EMCON, 1991). In November 1992, EMCON drilled soil borings SB5 through SB9 (EMCON, 1993). Soil boring and monitoring well locations are shown on Plate 4. Analytical results of soil samples collected from these borings and monitoring wells are provided in Attachment B. Select analytical results from these borings and monitoring wells are shown on Plate 4.

In March 1999, the USTs and product lines were removed (TransTech, 2000). Approximately 375 tons of hydrocarbon-impacted soil were removed from the site. The approximate limits of the excavations and the locations of soil samples are shown on Plate 5. In addition, approximately 34,000 gallons of hydrocarbon-impacted groundwater were removed from the former UST excavation. Analytical results from soil samples collected during the UST and product lines removal activities are summarized in Attachment B. Select analytical results are shown on Plate 5.

ExxonMobil initiated quarterly groundwater monitoring and sampling in 1991. Depth to groundwater beneath the site has ranged from 3.5 to 12 feet below ground surface (bgs) since 1991. Groundwater flow direction is towards the northwest with an average hydraulic gradient of 0.025. Cumulative results of groundwater monitoring and sampling events are provided in Tables 1A and 1B.

## FIELD WORK

### Scope of Work

The purpose of the work was to evaluate the lateral extent of residual hydrocarbons detected in soil in the vicinity of the former piping, dispensers, and USTs. Field work was performed in accordance with ERI's Work Plan, Addendum, a site-specific health and safety plan, and ERI's standard field protocol (Attachment C).

### Soil Borings

Prior to performing drilling activities, ERI obtained a monitoring well permit (Permit No. 4532, Attachment D) from Sonoma County Environmental Health Service Agency (the County) to advance seven soil borings. In addition, ERI provided notification to Underground Service Alert (USA) of the proposed work and contracted with a private utility locator to assist with clearing proposed drilling locations. Prior to drilling, borings B1, B2, B5, and B6 were cleared to a depth of approximately 4 feet bgs using a hand auger. Borings B4 and B7 were cleared to 8 feet bgs due to the proximity of utilities.

On January 6, 2005, ERI observed Gregg Drilling, Inc. (Gregg) of Martinez, California advance soil borings B1, B2, and B4 through B7, using direct-push methods to assess soil conditions in the vicinity of the former underground fuel storage and delivery facilities. Soil boring B3 encountered pea gravel and concrete at a depth of 2 feet bgs and was abandoned due to unsafe conditions. The boring locations are shown on Plate 2. Boring logs are included in Attachment E.

Soil borings B1, B2, and B4 through B7, were advanced to a depth of approximately 12 feet bgs. ERI collected continuous soil samples during drilling from approximately 4 feet bgs in borings B1, B2, B5, and B6, and from approximately 8 feet bgs in borings B4 and B7, to the total depth of each boring. ERI identified soil samples using visual and manual methods, and classified the samples according to the Unified Soil Classification System (USCS) (Attachment E). Boring logs illustrating the soil encountered are included in Attachment E.

ERI collected and preserved soil samples from approximately 2-foot intervals for laboratory analysis using Environmental Protection Agency (EPA) Method 5035. Analytical results are summarized in Table 2. Select analytical results are shown on Plate 3.

Following completion of each boring, ERI observed Gregg grout the boring with neat cement grout from the total depth of the boring to the surface.

Soil cuttings generated during drilling activities were placed in a 55-gallon drum. The soil was temporarily stored on-site pending characterization and disposal. ERI collected samples of the soil for laboratory analysis to be used in evaluating disposal options.

### Laboratory Analyses

ERI submitted the soil samples to Test America, Incorporated (Test America), a California state-certified laboratory, under Chain-of-Custody protocol. The soil samples were submitted for analysis for total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) using EPA Method 8015B; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B; and methyl tertiary butyl ether (MTBE) using EPA Method 8260B. The laboratory analysis report and Chain-of-Custody record are included in Attachment F.

ERI submitted the composite soil sample collected from the soil drill cuttings to Test America under Chain-of-Custody protocol, for laboratory analysis for TPHd, TPHg, MTBE, BTEX, halogenated volatile organic compounds (HVOCs), and total lead using the laboratory methods specified by the disposal facility. The laboratory analytical report and Chain-of-Custody record are included in Attachment F.

### **Site Survey**

On January 18, 2005, Morrow Surveying (Morrow) of West Sacramento, California, a California-licensed land surveyor, surveyed locations of borings B1, B2, and B4 through B7 relative to a permanent datum. In addition, Morrow resurveyed the locations of monitoring wells MW1 through MW4, MW6, and MW7 to a permanent datum and top of casing (TOC) elevations relative to mean sea level (msl) in compliance with AB 2886.

### **Waste Disposal**

On February 3, 2005, Dillard Environmental Services (Dillard) of Byron, California, transported the drum containing drill cuttings to Republic Services Vasco Road, LLC (Republic) for disposal. Disposal documentation is provided in Attachment G.

## **SITE CONDITIONS**

### **Site Geology**

Sediments encountered in soil borings B1, B2, and B4 through B7 consisted predominantly of silt with thin layers of sand to approximately 12 feet bgs, the total depth explored. All borings encountered clayey silt with sand from below the pavement to a depth of approximately 4 to 7 feet bgs. At this depth all borings encountered a layer of silty sand or sand approximately 1 to 2 feet thick. Sandy to clayey silt was encountered again below the sand in all borings. Borings B4 and B5 encountered sand at 11.5 feet bgs to the total depth explored. All other borings remained in silt to the total depth explored. Groundwater, when encountered, was 7 to 12 feet bgs. These findings are in general agreement with past investigations.

### **Soil Conditions**

The laboratory analytical results of the soil samples collected from soil borings B1, B2, and B4 through B7 are summarized in Table 2. Select analytical results are shown on Plate 3. Concentrations of TPHg were present in borings B1, B2, and B4 through B6, with the maximum concentration of 1,410 milligrams per kilogram (mg/Kg) TPHg in boring B5 at a depth of 6 feet bgs. Concentrations of benzene were present in all borings, with the maximum concentration of 5.11 mg/Kg benzene in boring B5 at a depth of 2 feet bgs. Concentrations of MTBE were present in borings B4 through B7, with the maximum concentration of 0.0935 mg/Kg MTBE at a depth of 10 feet bgs.

### **Groundwater Conditions**

Groundwater data has been collected regularly at the site since 1991 (Tables 1A and 1B). Graphs 1 through 6 present hydrographs of monitoring wells MW1 through MW4, MW6, and MW7. The hydrographs include concentrations of TPHg, benzene, and MTBE.

Graphs 7 and 8 present hydrographs for monitoring wells MW6 and MW7 from approximately the time of the removal of the USTs and product lines to the present day. Trend lines for the concentrations of TPHg, benzene, and MTBE have been added to the hydrographs. Graphs 7 and 8 show that concentrations of TPHg, benzene, and MTBE have declined downgradient of the USTs and dispensers since the primary source was removed in 1999.

## SUMMARY AND CONCLUSIONS

The sediments encountered during this investigation consisted primarily of silt, with a thin layer of sand at approximately 5 feet bgs. Groundwater, where encountered, generally was approximately 7 to 11 feet bgs. These findings are in general agreement with previous data from the site.

Previous investigations at the site have yielded soil analytical data: the initial round of soil borings and monitoring wells (EMCON, 1990, 1991, 1993), and the removal of the USTs, dispensers, and product line piping (Trans Tech, 1999). Select results of these previous investigations and this investigation are presented on Plates 3 through 5. Plates 6, 7, and 8 compile select data from all the investigations to show the distribution of TPHg, benzene, and MTBE, respectively, in soil at the site.

On the basis of these analytical data, ERI draws the following conclusions:

- The extent of hydrocarbon-impacted soil is adequately delineated to the north and west of the USTs and dispensers.
- Concentrations of 290 mg/Kg TPHg in SB4 and SW3, and of 1,700 mg/Kg TPHg in SB3, indicate that the extent of hydrocarbon-impacted soil is not fully delineated immediately east of the former UST excavation. This is the area where boring B3 had been planned.
- Concentrations of 1,410 mg/Kg TPHg and 5.11 mg/Kg benzene in B5 indicate that the extent of hydrocarbon-impacted soil is not fully delineated south of the western dispenser area.
- Groundwater data from MW7, directly downgradient of the UST excavation, indicates that the impact to groundwater has been less than 10 $\mu\text{g}/\text{L}$  of benzene and MTBE for the last four quarters.
- Concentrations of benzene and MTBE in well MW6, downgradient from the UST excavation and dispensers, have also been less than 10 $\mu\text{g}/\text{L}$  to non-detect for the last four quarters.

It is our understanding from discussions with the Regional Board that they do not utilize specific goals for concentrations of hydrocarbons in soil. Instead, the Regional Board focuses more intently on the resultant impact to groundwater. The highest soil concentrations found during this investigation were for TPHg and TPHd. However, there is no Maximum Contaminant Level (MCL) for TPHg or TPHd in groundwater. Groundwater data from monitoring wells at the site indicate that concentrations of petroleum hydrocarbons have been declining at the site since the removal of the UST system in 1999.

Although impacted soil has not been delineated to below laboratory reporting limits east of the USTs and south of the dispensers, groundwater data indicates that soil in these areas is not a continuing secondary source of hydrocarbons to groundwater. Monitoring well MW6 is located downgradient from the dispensers; monitoring well MW7 is located immediately downgradient of the UST excavation. Graphs 7 and 8 show that concentrations of TPHg, benzene, and MTBE have declined in both wells since 1999.

On the basis of the soil data from current and previous investigations, and the declining trends of hydrocarbon concentrations measured in groundwater samples from monitoring wells at the site, ERI concludes that additional assessment of the site is not warranted at this time.

## DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Jim Tischler  
California Regional Water Quality Control Board  
North Coast Region  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

Mr. Paul Lowenthal  
City of Santa Rosa Fire Department  
955 Sonoma Avenue  
Santa Rosa, California 95404

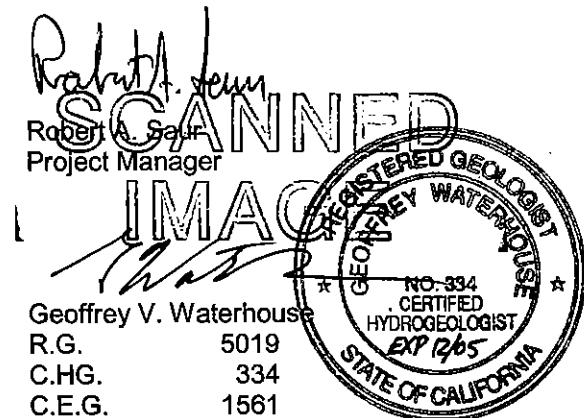
Mr. Tim Michell  
Mission Hand Car Wash and Quik Lube  
59 Mission Circle  
Santa Rosa, California 95409

## LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Mr. Robert A. Saur, ERI's project manager for this site, at (707) 766-2000 with questions regarding this report.

Sincerely,  
Environmental Resolutions, Inc.



## Attachments: References

Table 1A:	Cumulative Laboratory Analyses of Groundwater Samples
Table 1B:	Additional Cumulative Laboratory Analyses of Groundwater Samples
Table 2:	Laboratory Analytical Results of Soil Samples
Plate 1:	Site Vicinity Map
Plate 2:	Generalized Site Plan
Plate 3:	Soil Sample Locations and 2005 Soil Analytical Results
Plate 4:	Soil Analytical Results From 1989 through 1992
Plate 5:	Soil Analytical Results From 1999
Plate 6:	Analytical Results of TPHg in Soil
Plate 7:	Analytical Results of Benzene in Soil
Plate 8:	Analytical Results of MTBE in Soil
Graph 1:	Hydrograph – Well MW1
Graph 2:	Hydrograph – Well MW2
Graph 3:	Hydrograph – Well MW3
Graph 4:	Hydrograph – Well MW4
Graph 5:	Hydrograph – Well MW6
Graph 6:	Hydrograph – Well MW7
Graph 7:	Hydrograph – Well MW6 – 1999 to Present
Graph 8:	Hydrograph – Well MW7 – 1999 to Present
Attachment A:	Regulatory Correspondence
Attachment B:	Results of Laboratory Analyses of Previous Soil Samples
Attachment C:	Field Protocol
Attachment D:	Permit
Attachment E:	Unified Soil Classification System, Symbol Key, and Boring Logs
Attachment F:	Laboratory Analysis Reports and Chain-of-Custody Records
Attachment G:	Soil Disposal Documentation

## REFERENCES

EMCON Associates. August 29, 1991. Soil and Ground-water Characterization Report, 257 College Avenue, Santa Rosa, California.

EMCOM Associates. January 29, 1993. Soil and Groundwater Characterization Report, Former Mobil Oil Corporation (Mobil) Service Station No. SROSA, 257 College Avenue, Santa Rosa, California.

Environmental Resolutions, Inc. September 14, 2004. Work Plan for Supplemental Evaluation of Soil and Groundwater, Former Mobil Station SR-OSA, 257 College Avenue, Santa Rosa, California.  
ERI 259214.W01.

Environmental Resolutions, Inc. December 6, 2004. Amendment to Work Plan for Supplemental Evaluation of Soil and Groundwater, Former Mobil Station SR-OSA, 257 College Avenue, Santa Rosa, California.  
ERI 259214.W02.

TransTech Consultants. August 1, 2000. Transmittal (Documents pertaining to Tank Removal).

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 1 of 7)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B ug/L	T	E	X
MW1 (150.41)	09/21/89	—	—	<50	<50	—	—	<0.50	<1.0	<1.0	<3.0
	01/09/91	—	4.64	145.77	—	—	—	—	—	—	—
	02/07/91	—	4.64	145.77	<50	<50	—	<0.50	<1.0	<1.0	<1.0
	03/26/91	—	4.98	145.43	—	—	—	—	—	—	—
	04/15/91	—	4.83	145.58	—	—	—	—	—	—	—
	05/06/91	—	4.84	145.57	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	06/12/91	—	4.92	145.49	—	—	—	—	—	—	—
	07/03/91	—	4.94	145.47	—	—	—	—	—	—	—
	08/06/91	—	5.01	145.40	<50	<50	—	<0.30	<0.30	<0.30	<0.30
	09/11/91	—	5.36	145.05	—	—	—	—	—	—	—
	10/18/91	—	5.46	144.95	—	—	—	—	—	—	—
	11/25/91	—	5.20	145.21	<50	35	—	<0.30	<0.30	<0.30	<0.30
	12/20/91	—	5.15	145.26	—	—	—	—	—	—	—
	02/06/92	—	5.00	145.41	<50	<30	—	<0.30	<0.30	<0.30	<0.30
	05/12/92	—	4.87	145.54	<50	<30	—	<0.30	<0.30	<0.30	<0.30
	09/03/92	—	5.25	145.16	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	11/24/92	—	4.89	145.52	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	02/11/93	—	3.96	146.45	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	05/06/93	—	4.84	145.57	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	07/27/93	—	4.98	145.43	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	11/30/93	—	4.89	145.52	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	02/22/94	—	3.88	146.53	—	—	—	—	—	—	—
	05/26/94	—	4.97	145.44	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	08/11/94	—	5.21	145.20	—	—	—	—	—	—	—
	11/11/94	—	4.20	146.21	<500	<50	—	<0.50	<0.50	<0.50	<0.50
	05/09/95	—	4.58	145.83	<50	<50	3.6	<0.50	<0.50	<0.50	<0.50
	11/20/95	—	5.16	145.25	ND	ND	11	ND	0.61	ND	0.64
	05/23/96	—	4.14	146.27	ND	ND	6.8	ND	ND	ND	ND
	11/11/96	—	5.09	145.32	ND	ND	3.7	ND	ND	ND	ND
	07/19/99	—	4.95	145.46	75	ND	ND	ND	ND	ND	ND
	11/29/99	—	4.71	145.70	—	ND	NDb	ND	ND	ND	ND
	02/08/00	—	5.36	145.05	<50	<50	<10	<0.30	<0.30	<0.30	<0.60
	05/03/00	—	4.57	145.84	<50	<50	<5b	<1	<2	<2	<1
	08/10/00	—	6.03	144.38	<47	<20	<5b	<1	<1	<1	<1
	11/15/00	—	6.80	143.61	<47	<20	<0.30/<5b	<0.20	0.23	<0.20	<0.60
	02/28/01	—	5.46	144.95	<47	<20	<0.30	<0.20	<0.20	<0.20	<0.60
	06/01/01	—	6.09	144.32	<480	<50	<10	<0.30	<0.30	<0.30	<0.60
	08/15/01	—	6.15	144.26	—	<50	<0.30	<0.20	<0.20	<0.20	<0.60
	10/30/01	—	5.90	144.51	25	<50	0.65/<2b	1.1	0.20	<0.20	<0.60
(149.97)	11/06/01	Well resurveyed.									
	01/29/02	—	5.59	144.38	<50.0	<50.0	<0.5b	<0.50	<0.50	<0.50	<0.50
	04/17/02	—	5.87	144.10	<50.0	<50.0	<0.50b	<0.50	<0.50	<0.50	<0.50
	08/01/02	—	6.03	143.94	<50.0	<50.0	<0.50b	<0.50	<0.50	<0.50	<0.50
	11/13/02	—	6.18	143.79	<50.0	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	03/04/03	—	5.95	144.02	<50.0	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
	06/27/03	NLPH	6.08	143.89	62	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	09/23/03	NLPH	6.21	143.76	<50	<50.0	<50	<0.50	<50	<50	<50
	12/15/03	NLPH	5.47	144.50	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5
	03/18/04	NLPH	6.00	143.97	<50	<50.0	<0.50b	<0.50	<0.5	<0.5	<0.5
	06/23/04	NLPH	6.22	143.75	<50	<50.0	<0.50b	<0.50	<0.5	<0.5	<0.5
	09/20/04	NLPH	6.32	143.65	93	<50.0	<0.50b	<0.50	<0.5	<0.5	<0.5
	12/21/04	NLPH	6.14	143.83	62	<50.0	<0.50b	<0.50	1.7	<0.5	2.0

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 2 of 7)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B ug/L	T	E	X
MW2	09/21/89	—	—	—	—	760	—	4.40	3.00	46.0	120.0
(151.60)	01/09/91	—	4.07	147.53	—	—	—	—	—	—	—
	02/07/91	—	8.47	143.13	<50	260	—	6.60	<1.00	22.0	55.0
	03/26/91	—	8.88	142.72	—	—	—	—	—	—	—
	04/15/91	—	8.29	143.31	—	—	—	—	—	—	—
	05/06/91	—	8.63	142.97	<50	200	—	2.30	<0.5	9.10	7.50
	06/12/91	—	8.96	142.64	—	—	—	—	—	—	—
	07/03/91	—	9.02	142.58	—	—	—	—	—	—	—
	08/06/91	—	9.11	142.49	<50	69	—	0.57	<0.30	3.20	3.60
	09/11/91	—	9.33	142.27	—	—	—	—	—	—	—
	10/18/91	—	9.37	142.23	—	—	—	—	—	—	—
	11/25/91	—	9.13	142.47	<50	360	—	0.63	<0.30	7.40	9.90
	12/20/91	—	9.07	142.53	—	—	—	—	—	—	—
	02/06/92	—	8.80	142.80	<50	580	—	0.91	8.70	8.70	11.0
	05/12/92	—	7.84	143.76	<50	120	—	0.47	0.330	3.60	3.30
	09/03/92	—	9.22	142.38	<50	98	—	14.0	<0.50	2.80	3.10
	11/24/92	—	8.89	142.71	<50	97	—	<0.50	<0.50	3.20	2.70
	02/11/93	—	7.35	144.25	110	650	—	2.50	0.75	44.0	47.0
	05/06/93	—	8.68	142.92	62	230	—	0.58	<0.50	8.00	7.00
	07/27/93	—	8.95	142.65	76	140	—	<0.50	<0.50	3.50	3.20
	11/30/93	—	7.69	143.91	270	490	—	1.0	<0.50	36.0	36.0
	02/22/94	—	7.05	144.55	—	—	—	—	—	—	—
	05/26/94	—	8.70	142.90	220	360	—	0.68	<0.50	9.00	7.30
	08/11/94	—	9.21	142.39	—	—	—	—	—	—	—
	11/11/94	—	8.00	143.60	430	650	—	3.9	1.8	49	66
	05/09/95	—	8.33	143.27	<50	160	5.5	1.2	0.58	1.6	0.97
	11/20/95	—	8.98	142.62	220	63	38	1.3	0.56	ND	0.94
	05/23/96	—	7.96	143.64	350	890	330	1.2	1.4	14	61
	11/11/96	—	9.20	142.40	ND	ND	24	ND	ND	2.3	1.7
	07/19/99	—	8.98	142.62	76	ND	15	ND	ND	ND	ND
	11/29/99	—	8.78	142.82	—	110	29b	ND	ND	4	1
	02/08/00	—	8.00	143.60	110	170	16	<0.30	2.0	3.9	1.4
	05/03/00	—	8.56	143.04	84	180	10b	<1	<2	2	<1
	08/10/00	—	9.34	142.26	76	96	16b	<1	<1	1	<1
	11/15/00	—	9.21	142.39	120	120	25/30b	<1.0	0.32	2.5	0.82
	02/28/01	—	8.11	143.49	200	99	16	<0.20	<0.20	1.3	<0.60
	06/01/01	—	9.20	142.40	240	86	18	<0.30	<0.30	0.36	<0.60
	08/15/01	—	9.60	142.00	—	130	16<2b	0.61	0.23	0.29	<0.60
	10/30/01	—	9.35	142.25	920	1,300	14/13b	<5.0	<1.0	28	1.8
(150.97)	11/06/01	Well resurveyed.									
	01/29/02	—	8.43	142.54	201	804	7.4b	2.00	1.40	2.20	3.70
	04/17/02	—	8.90	142.07	119	228	4.60b	1.10	0.60	<0.50	1.90
	08/01/02	—	9.35	141.62	51	154	14.50b	0.80	<0.50	<0.50	0.70
	11/13/02	—	9.57	141.40	136	175	16.10b	0.60	0.50	1.60	0.50
	03/04/03	—	9.25	141.72	264	321	4.40b	1.50	0.90	1.00	0.90
	06/27/03	NLPH	9.68	141.29	<50	<50.0	2.8/2.00b	0.50	<0.5	<0.5	0.9
	09/23/03	a	a	a	a	a	a	a	a	a	a
	12/15/03	NLPH	8.61	142.36	121	60.0	3.4/4.60b	0.70	<0.5	<0.5	<0.5
	03/18/04	NLPH	9.15	141.82	163	239	2.80b	2.50	<0.5	1.1	1.2
	06/23/04	NLPH	9.60	141.37	<50	<50.0	3.00b	<0.50	<0.5	<0.5	<0.5
	09/20/04	NLPH	9.99	140.98	<50	<50.0	6.60b	<0.50	<0.5	<0.5	<0.5
	12/21/04	NLPH	9.29	141.68	111	<50.0	5.80b	<0.50	1.5	<0.5	1.6

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 3 of 7)

Well ID #	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B ug/L	T	E	X
MW3	09/21/89	—	—	—	—	1,100	—	99.0	20.00	56.0	150.0
(150.21)	01/09/91	—	5.55	144.66	—	—	—	—	—	—	—
	02/07/91	—	5.29	144.92	<500	340	—	65.0	3.00	28.0	34.0
	03/26/91	—	5.09	145.12	—	—	—	—	—	—	—
	04/15/91	—	5.24	144.97	—	—	—	—	—	—	—
	05/06/91	—	5.42	144.79	<50	<50	—	7.60	<0.50	1.40	2.80
	06/12/91	—	6.58	143.63	—	—	—	—	—	—	—
	07/03/91	—	5.71	144.50	—	—	—	—	—	—	—
	08/06/91	—	5.82	144.39	<50	<30	—	1.00	<0.30	1.30	<0.30
	09/11/91	—	5.77	144.44	—	—	—	—	—	—	—
	10/18/91	—	5.87	144.34	—	—	—	—	—	—	—
	11/25/91	—	5.58	144.63	<50	76	—	7.80	<0.30	0.88	0.40
	12/20/91	—	5.63	144.58	—	—	—	—	—	—	—
	02/06/92	—	5.51	144.70	<50	110	—	6.50	<0.30	1.10	0.56
	05/12/92	—	5.40	144.81	<50	32	—	4.20	<0.30	0.47	<0.30
	09/03/92	—	5.63	144.58	<50	<50	—	9.30	<0.50	2.30	0.39
	11/24/92	—	5.30	144.91	<50	120	—	30.0	<0.50	8.10	3.80
	02/11/93	—	4.87	145.34	110	91	—	18.0	<0.50	7.00	6.80
	05/06/93	—	5.41	144.80	57	<50	—	4.40	<0.50	1.20	0.98
	07/27/93	—	5.37	144.84	<50	<50	—	1.70	<0.50	0.82	<0.50
	11/30/93	—	4.53	145.68	<51	74	—	20.0	<0.50	5.00	4.00
	02/22/94	—	4.65	145.56	—	—	—	—	—	—	—
	05/26/94	—	5.51	144.70	<50	<50	—	9.70	<0.50	2.00	0.84
	08/11/94	—	5.65	144.56	—	—	—	—	—	—	—
	11/11/94	—	4.76	145.45	<50	<50	—	3.6	<0.50	0.58	<0.50
	05/09/95	—	5.20	145.01	<50	53	2.1	7.4	<0.50	30	0.92
	11/20/95	—	5.63	144.58	63	ND	11	4.4	0.76	1.2	0.70
	05/23/96	—	4.94	145.27	100	53	21	11	ND	2.7	ND
	11/11/96	—	5.48	144.73	ND	59	22	14	ND	0.76	0.58
	07/19/99	—	5.39	144.82	130	60	7	2	ND	ND	ND
	11/29/99	—	5.26	144.95	—	ND	NDb	6	ND	ND	ND
	02/08/00	—	5.00	145.21	<50	<50	<10	3.3	<0.30	0.52	<0.60
	05/03/00	—	5.21	145.00	<50	<50	12b	3	<2	<2	<1
	08/10/00	—	6.17	144.04	71	<20	<5b	<1	<1	<1	<1
	11/15/00	—	6.17	144.04	74	<20	2.0/5b	0.31	0.20	<0.20	<0.60
	02/28/01	—	5.77	144.44	<47	<20	4.3	3.2	<0.20	0.61	<0.60
	06/01/01	a	—	—	—	—	—	—	—	—	—
	08/15/01	—	6.25	143.96	—	<50	1.6	<0.20	<0.20	<0.20	<0.60
	10/30/01	—	5.91	144.30	<19	<50	1.2/2b	0.76	<0.20	<0.20	<0.60
(149.77)	11/06/01	—	Well resurveyed.								
	01/29/02	—	5.82	143.95	<50.0	<50.0	8.3b	1.70	0.50	<0.50	<0.50
	04/17/02	—	6.07	143.70	<0.50	<0.50	6.60b	<0.50	3.40	0.70	5.20
	08/01/02	—	6.07	143.70	<0.50	<0.50	2.90b	<0.50	<0.50	<0.50	<0.50
	11/13/02	—	6.92	142.85	53	<0.50	<0.50b	0.50	0.50	<0.50	<0.50
	03/04/03	—	6.40	143.37	<52	235	9.00b	34.50	4.50	9.90	14.80
	06/27/03	NLPH	6.45	143.32	79	<50.0	4.5/3.10b	<0.50	<0.5	<0.5	<0.5
	09/23/03	NLPH	6.59	143.18	<50	<50.0	1.5/3.60b	0.60	<0.5	<0.5	1.3
	12/15/03	NLPH	9.12	140.65	<50	<50.0	1.0/1.30b	<0.50	<0.5	<0.5	<0.5
	03/18/04	NLPH	6.35	143.42	<50	<50.0	5.90b	<0.50	<0.50	<0.5	<0.5
	06/23/04	NLPH	6.56	143.21	<50	<50.0	2.70b	<0.50	<0.5	<0.5	<0.5
	09/20/04	NLPH	6.63	143.14	<50	<50.0	1.10b	<0.50	<0.5	<0.5	<0.5
	12/21/04	NLPH	6.50	143.27	51	74.4	1.10b	<0.50	<0.5	<0.5	0.9

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 4 of 7)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B ug/L	T	E	X
MW4	09/21/89	—	—	—	—	<110	—	<0.50	<1.00	<1.00	<3.00
(151.10)	01/09/91	—	5.93	145.17	—	—	—	—	—	—	—
	02/07/91	—	5.73	145.37	<50	<50	—	<0.50	<1.00	<1.00	<1.00
	03/26/91	—	4.51	146.59	—	—	—	—	—	—	—
	04/15/91	—	5.93	145.17	—	—	—	—	—	—	—
	05/06/91	—	5.91	145.19	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	06/12/91	—	5.95	145.15	—	—	—	—	—	—	—
	07/03/91	—	5.97	145.13	—	—	—	—	—	—	—
	08/06/91	—	6.00	145.10	<50	<30	—	<0.30	<0.30	<0.30	<0.30
	09/11/91	—	6.26	144.84	—	—	—	—	—	—	—
	10/18/91	—	6.35	144.75	—	—	—	—	—	—	—
	11/25/91	—	6.17	144.93	<50	48	—	<0.30	<0.30	<0.30	<0.30
	12/20/91	—	6.12	144.98	—	—	—	—	—	—	—
	02/06/92	—	5.98	145.12	<50	56	—	<0.30	<0.30	<0.30	<0.30
	05/12/92	—	5.87	145.23	<50	<30	—	<0.30	<0.30	<0.30	<0.30
	09/03/92	—	6.14	144.96	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	11/24/92	—	5.82	145.28	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	02/11/93	—	5.42	145.68	93	<50	—	<0.50	<0.50	<0.50	<0.50
	05/06/93	—	5.86	145.24	63	<50	—	<0.50	<0.50	<0.50	<0.50
	07/27/93	—	5.86	145.24	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	11/30/93	—	5.00	146.10	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	02/22/94	—	5.19	145.91	—	—	—	—	—	—	—
	05/26/94	—	5.96	145.14	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	08/11/94	—	6.14	144.96	—	—	—	—	—	—	—
	11/11/94	—	5.24	145.86	<50	<500	—	<0.50	<0.50	<0.50	<0.50
	05/09/95	—	5.66	145.44	<50	<50	7.1	<0.50	<0.50	<0.50	<0.50
	11/20/95	—	6.08	145.02	ND	ND	140	ND	0.74	ND	ND
	05/23/96	—	5.38	145.72	330	ND	3.3	ND	ND	ND	ND
	11/11/96	—	6.04	145.06	ND	ND	63	ND	ND	ND	0.76
	07/19/99	—	5.85	145.25	ND	ND	ND	ND	ND	ND	ND
	11/29/99	—	5.80	145.30	—	ND	10b	ND	ND	ND	ND
	02/08/00	—	5.54	145.56	<50	<50	<10	<0.30	<0.30	<0.30	<0.60
	05/03/00	—	5.73	145.37	<50	<50	<5b	<1	<2	<2	<1
	08/10/00	—	6.84	144.26	<47	<20	<5b	<1	<1	<1	<1
	11/15/00	—	7.02	144.08	<48	<20	0.98/<5b	<0.20	<0.20	<0.20	<0.60
	02/28/01	—	6.76	144.34	<48	<20	0.42	<0.20	<0.20	<0.20	<0.60
	06/01/01	—	6.99	144.11	<100	<50	<10	<0.30	<0.30	<0.30	<0.60
	08/15/01	—	7.03	144.07	—	<50	<0.30	<0.20	<0.20	<0.20	<0.60
	10/30/01	—	6.84	144.26	<19	<50	0.90/<2b	0.57	<0.20	<0.20	<0.60
(150.88)	11/06/01	Well resurveyed.	—	—	—	—	—	—	—	—	—
	01/29/02	—	6.80	144.08	<50.0	<50.0	0.6b	<0.50	0.50	<0.50	<0.50
	04/17/02	—	6.92	143.96	<50.0	<50.0	<0.50b	<0.50	0.90	<0.50	0.90
	08/01/02	—	6.97	143.91	<50.0	<50.0	<0.50b	<0.50	<0.50	<0.50	<0.50
	11/13/02	—	7.61	143.27	61	<50.0	<0.50b	<0.50	<0.50	<0.50	<0.50
	03/04/03	—	7.06	143.82	<53	135	<0.50b	29.1	3.1	6.8	9.5
	06/27/03	NLPH	7.08	143.80	67	<50	0.6<0.5b	<0.50	<0.5	<0.5	<0.5
	09/23/03	NLPH	7.16	143.72	<50	<50.0	<0.5b	<0.50	<0.5	<0.5	0.7
	12/15/03	NLPH	6.86	144.02	108	<50.0	<0.5	<0.50	<0.5	<0.5	<0.7
	03/18/04	NLPH	7.01	143.87	<50	<50.0	<0.50b	<0.50	<0.5	<0.5	<0.5
	06/23/04	NLPH	7.16	143.72	<50	<50.0	<0.50b	<0.50	<0.5	<0.5	<0.5
	09/20/04	NLPH	7.19	143.69	<50	<50.0	<0.50b	<0.50	<0.5	<0.5	0.8
	12/21/04	NLPH	7.12	143.76	79	52.3	<0.50b	<0.50	<0.5	<0.5	0.7

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 5 of 7)

Well ID #	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B ug/L	T	E	X
MW6	04/15/91	—	8.73	141.74	—	—	—	—	—	—	—
(150.47)	05/06/91	—	9.92	140.55	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	06/12/91	—	9.92	140.55	—	—	—	—	—	—	—
	07/03/91	—	9.22	141.25	—	—	—	—	—	—	—
	08/06/91	—	9.28	141.19	<50	220	—	<0.30	<0.30	<0.30	<0.30
	09/01/91	—	9.57	140.90	—	—	—	—	—	—	—
	10/18/91	—	9.59	140.88	—	—	—	—	—	—	—
	11/25/91	—	9.36	141.11	<50	610	—	<0.30	<0.30	<0.30	<0.30
	12/20/91	—	9.26	141.21	—	—	—	—	—	—	—
	02/06/92	—	8.95	141.52	<50	860	—	<0.30	<0.30	<0.30	<0.30
	05/12/92	—	8.93	141.54	<50	230	—	<0.30	<0.30	<0.30	<0.30
	09/03/92	—	9.40	141.07	73	210	—	<0.50	<0.50	<0.50	<0.50
	11/24/92	—	9.12	141.35	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	02/11/93	—	—	—	—	—	—	—	—	—	—
	05/06/93	—	8.88	141.59	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	07/27/93	—	9.09	141.38	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	11/30/93	—	8.31	142.16	<50	<50	—	<0.50	<0.50	<0.50	<0.50
	02/22/94	—	7.50	142.97	—	—	—	—	—	—	—
	05/26/94	—	9.19	141.28	<50	600c	—	<0.50	<0.50	<0.50	<0.50
	08/11/94	—	9.44	141.03	—	—	—	—	—	—	—
	11/11/94	—	8.29	142.18	<50	400c	—	<0.50	<0.50	<0.50	<0.50
	05/09/95	—	8.57	141.90	<50	100	180	<0.50	<0.50	<0.50	<0.50
	11/20/95	—	9.53	140.94	94	ND	320	ND	0.80	ND	0.64
	05/23/96	—	8.20	142.27	160	ND	210	ND	ND	ND	ND
	11/11/96	—	11.67	138.80	ND	ND	190	0.69	ND	ND	0.76
	07/19/99	—	9.25	141.22	140	130	230	ND	ND	ND	ND
	11/29/99	—	8.11	142.36	—	170	260b	ND	ND	ND	ND
	02/08/00	—	9.49	140.98	77	140	220/260b	<0.30	<0.30	<0.30	<0.60
	05/03/00	—	8.86	141.61	<50	87	130b	<1	<2	<2	<1
	08/10/00	—	9.76	140.71	<48	120	170b	<1	<1	<1	<1
	11/15/00	—	9.40	141.07	78	44	47/60b	<0.20	<0.20	<0.20	<0.60
	02/28/01	—	7.92	142.55	<48	140	220/200b	<0.20	<0.20	<0.20	<0.60
	06/01/01	—	9.36	141.11	<240	<50	66/54b	<0.30	<0.30	<0.30	<0.60
	08/15/01	—	9.72	140.75	—	<50	18/19b	<0.20	<0.20	<0.20	<0.60
	10/30/01	—	9.65	140.82	180	<50	6.1/7b	0.39	<0.20	<0.20	<0.60
(150.39)	11/06/01	—	Well resurveyed								
	01/29/02	—	8.52	141.87	<50.0	81.6	60.7b	<0.50	<0.50	<0.50	<0.50
	04/17/02	—	8.99	141.40	<50.0	192	165b	<0.50	<0.50	<0.50	<0.50
	08/01/02	—	9.38	141.01	<50.0	<50.0	31.4b	<0.50	<0.50	<0.50	<0.50
	11/13/02	—	9.69	140.70	54	<50.0	23.7b	<0.50	<0.50	<0.50	<0.50
	03/04/03	—	9.31	141.08	<53	<50.0	36.9b	<0.50	<0.50	<0.50	<0.50
	06/27/03	NLPH	9.80	140.59	69	71.3	54.8/40.3b	<0.50	<0.5	<0.5	<0.5
	09/23/03	NLPH	10.13	140.26	<50	<50.0	48.7/44.4b	<0.50	<0.5	<0.5	<0.5
	12/15/03	NLPH	8.66	141.73	153	61.2	52.4/67.1b	<0.50	<0.5	<0.5	<0.5
	03/18/04	NLPH	9.10	141.29	<50	<50.0	22.3b	<0.50	<0.5	<0.5	<0.5
	06/23/04	NLPH	9.68	140.71	<50	<50.0	34.2	<0.50	<0.5	<0.5	<0.5
	09/20/04	NLPH	10.14	140.25	<50	<50.0	4.00b	<0.50	<0.5	<0.5	<0.5
	12/21/04	NLPH	9.29	141.10	1,680	51.1	7.60b	<0.50	0.5	<0.5	0.6

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 6 of 7)

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B ug/L	T	E	X
MW7	04/15/91	—	6.90	143.98	—	—	—	—	—	—	—
(150.88)	05/06/91	—	8.66	142.22	<50	2,000	—	250.0	81.0	370.0	120.0
	06/12/91	—	7.13	143.75	—	—	—	—	—	—	—
	07/03/91	—	7.18	143.70	—	—	—	—	—	—	—
	08/06/91	—	7.43	143.45	61	740	—	90.0	45.0	49.0	110.0
	09/11/91	—	7.58	143.30	—	—	—	—	—	—	—
	10/18/91	—	7.71	143.17	—	—	—	—	—	—	—
	11/25/91	—	7.50	143.38	<50	2,000	—	140.0	93.0	10.0	62.0
	12/20/91	—	7.50	143.38	—	—	—	—	—	—	—
	02/06/92	—	7.26	143.62	<50	1,000	—	62.0	50.0	3.00	31.0
	05/12/92	—	6.90	143.98	<50	850	—	130.0	130.0	18.0	77.0
	09/03/92	—	7.00	143.88	—	—	—	—	—	—	—
	11/24/92	—	6.72	144.16	69	360	—	73.0	17.0	7.30	24.0
	02/11/93	—	5.65	145.23	60	240	—	51.0	2.40	16.0	19.0
	05/06/93	—	6.35	144.53	70	670	—	71.0	9.60	25.0	15.0
	07/27/93	—	6.54	144.34	89	100	—	21.0	<0.50	12.0	0.50
	11/30/93	—	5.53	145.35	210	950	—	180.0	21.0	77.0	160.0
	02/22/94	—	5.50	145.38	—	—	—	—	—	—	—
	05/26/94	—	6.51	144.37	210	790	—	42.0	6.70	38.0	130.0
	08/11/94	—	6.79	144.09	—	—	—	—	—	—	—
	11/11/94	—	5.51	145.37	540	1,500	—	140	84	80	400
	05/09/95	—	5.95	144.93	720	2,900	220	170	58	180	650
	11/20/95	—	6.88	144.00	140	290	88	76	5.5	17	35
	05/23/96	—	5.61	145.27	110	130	530	34	1.2	7.2	9.9
	11/11/96	—	8.82	142.06	ND	150	5480b	59	1.6	6.4	15
	07/19/99	—	5.95	144.93	5,500	9,600	25	93	ND	340	14
	11/29/99	—	6.06	144.82	—	1,900	16b	23	ND	22	3
	02/08/00	—	5.61	145.27	450	790	16	16	2.5	9.2	5.7
	05/03/00	—	5.93	144.95	470	810	12b	20	<2	18	44
	08/10/00	—	7.40	143.48	130	160	9b	12	<1	<1	<1
	11/15/00	—	7.41	143.47	51	140	7.1/9b	22	0.65	0.40	3.5
	02/28/01	—	6.54	144.34	100	140	11	12	0.53	0.69	3.7
	06/01/01	—	7.10	143.78	170	56	<10	7.6	<0.30	0.76	2.7
	08/15/01	—	7.25	143.63	—	120	4.8	22	0.38	0.31	3.5
	10/30/01	—	6.99	143.89	34	82	3.9/4b	15	0.38	0.44	2.8
(150.85)	11/06/01	—	Well resurveyed								
	01/29/02	—	6.73	144.12	59.0	554	10.4b	8.40	1.20	6.40	10.9
	04/17/02	—	6.98	143.87	57.0	291	6.60b	8.20	4.00	5.70	14.9
	08/01/02	—	7.10	143.75	<51	167	4.50b	11.60	<0.50	1.40	3.5
	11/13/02	—	7.35	143.50	<50.0	215	<0.50b	12.70	0.50	2.50	4.6
	03/04/03	—	7.11	143.74	61.0	230	7.70b	11.30	0.80	2.60	5
	06/27/03	NLPH	7.24	143.61	93	219	4.3/2.20b	10.7	<0.5	1.3	2.5
	09/23/03	NLPH	7.36	143.49	<50	179	4.3/3.86b	10.3	<0.5	0.5	1.2
	12/15/03	NLPH	6.65	144.20	98	<50.0	2.6/3.20b	2.70	<0.5	<0.5	0.9
	03/18/04	NLPH	7.10	143.75	<50	96.0	9.10b	2.40	<0.5	<0.5	<0.5
	06/23/04	NLPH	7.33	143.52	<50	233	3.30b	6.50	<0.5	0.8	1.0
	09/20/04	NLPH	7.36	143.49	<50	168	2.00b	7.10	<0.5	<0.5	0.8
	12/21/04	NLPH	7.26	143.59	62	148	1.90b	3.30	<0.5	1.0	1.4

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 7 of 7)

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Notes:	Data prior to Second Quarter 2003 provided by previous consultant.
TOC	= Elevation of top of well casing; relative to mean sea level (MSL) in feet.
SUBJ	= Results of subjective evaluation.
NLPH	= No liquid-phase hydrocarbons present in well.
sheen	= Liquid-phase hydrocarbons present as a sheen.
DTW	= Depth to water.
Elev.	= Elevation of groundwater; relative to mean sea level.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8021B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	= 1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-dichloroethane.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Lead	= Total lead.
Nitrate as N	= Nitrate as nitrogen.
TN	= Total nitrite/nitrate nitrogen.
DO	= Dissolved oxygen.
ug/L	= Micrograms per liter.
—	= Not sampled/Not measured.
<	= Less than the stated laboratory method reporting limit.
ND	= Not detected above the laboratory method reporting limit.
a	= Well inaccessible.
b	= Methyl tertiary butyl ether analyzed using EPA Method 8260.
c	= Discrete peak.

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**TABLE 1B**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 1 of 4)

Well ID	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol .ug/L	Lead	Nitrate as N	TN	DO
MW1	09/21/89 - 05/09/95	Not analyzed for these analytes.										>
	11/20/95	--	--	--	--	--	--	--	21	--	--	--
	05/23/96	--	--	--	--	--	--	--	--	--	--	--
	11/11/96	--	--	--	--	--	--	--	--	--	--	--
	07/19/99	--	--	--	--	--	--	--	--	--	--	1020
	11/29/99	--	--	--	--	--	--	--	--	--	--	960
	02/08/00	--	--	--	--	--	--	--	--	--	--	930
	05/03/00	--	--	--	--	--	--	--	--	--	--	760
	08/10/00	--	--	--	--	--	--	--	--	--	--	580
	11/15/00	--	--	--	--	--	--	--	--	--	--	1380
	02/28/01	--	--	--	--	--	--	--	--	--	--	380
	06/01/01	--	--	--	--	--	--	--	--	--	--	50
	08/15/01	--	--	--	--	--	--	--	--	--	--	470
	10/30/01	--	--	--	--	<1	<1	--	--	--	--	--
	01/29/02	--	--	--	--	<0.5	<0.5	2.3	--	--	--	--
	04/17/02	--	--	--	--	<0.50	<0.50	11.1	--	--	--	--
	08/01/02	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	11/13/02	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	03/04/03	--	--	--	--	<0.50	<0.50	5.4	--	--	--	--
	06/27/03	--	--	--	--	<0.50	<0.50	5.6	--	--	--	--
	09/23/03	--	--	--	--	<0.50	<0.50	1.90	--	--	--	--
	12/15/03	--	--	--	--	<0.50	<0.50	2.30	--	--	--	--
	03/18/04	--	--	--	--	<0.50	<0.50	3.40	--	--	--	--
	06/23/04	<0.50	<0.50	<10.0	--	<0.50	<0.50	<0.50	<50.0	--	--	--
	09/20/04	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--
	12/21/04	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--
MW2	09/21/89 - 05/09/95	Not analyzed for these analytes.										>
	11/20/95	--	--	--	--	--	--	--	ND	--	--	--
	05/23/96	--	--	--	--	--	--	--	--	--	--	--
	11/11/96	--	--	--	--	--	--	ND	--	--	--	920
	07/19/99	--	--	--	--	--	--	ND	--	--	--	310
	11/29/99	--	--	--	--	--	--	ND	--	--	--	570
	02/08/00	--	--	--	--	--	--	ND	--	--	--	490
	05/03/00	--	--	--	--	--	--	ND	--	--	--	550
	08/10/00	--	--	--	--	--	--	ND	--	--	--	620
	11/15/00	--	--	--	--	--	--	ND	--	--	--	580
	02/28/01	--	--	--	--	--	--	ND	--	--	--	500
	06/01/01	--	--	--	--	--	--	ND	--	--	--	380
	08/15/01	--	--	--	--	--	--	ND	--	--	--	--
	10/30/01	--	--	--	--	--	--	ND	--	--	--	--
	01/29/02	--	--	--	--	<0.5	<0.5	ND	--	--	--	--
	04/17/02	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	08/01/02	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	11/13/02	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	03/04/03	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	06/27/03	--	--	--	--	<0.50	<0.50	ND	--	--	--	--
	09/23/03	--	--	--	--	a	a	a	--	a	a	a
	12/15/03	--	--	--	--	<0.50	<0.50	ND	--	a	a	a
	3/18/2004	--	--	--	--	--	--	ND	--	--	--	--
	06/23/04	<0.50	<0.50	<10.0	--	<0.50	<0.50	<0.50	<50.0	--	--	--
	09/20/04	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--
	12/21/04	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--
MW3	09/21/89 - 05/09/95	Not analyzed for these analytes.										>
	11/20/95	--	--	--	--	--	--	--	31	100	--	--
	05/23/96	--	--	--	--	--	--	NDc	--	--	--	--
	11/11/96	--	--	--	--	--	--	NDc	--	--	--	--
	07/19/99	--	--	--	--	--	--	NDc	--	--	--	--
	11/29/99	--	--	--	--	--	--	NDc	--	--	--	1030

**TABLE 1B**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 2 of 4)

Well ID	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol ug/L	Lead	Nitrate as N	TN	DO
		<.....						.....ug/L.....				>
	02/08/00	—	—	—	—	—	—	—	—	—	—	1490
	05/03/00	—	—	—	—	—	NDc	—	—	—	—	440
	08/10/00	—	—	—	—	—	ND	—	—	—	—	590
	11/15/00	—	—	—	—	—	ND	—	—	—	—	270
	02/28/01	—	—	—	—	—	—	—	—	—	—	400
	06/01/01	—	—	—	—	—	—	—	—	—	—	—
	08/15/01	—	—	—	—	—	—	—	—	—	—	450
	10/30/01	—	—	—	—	<1	<1	ND	—	—	—	—
	01/29/02	—	—	—	—	<0.5	<0.5	ND	—	—	—	—
	04/17/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	08/01/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	11/13/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	03/04/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	06/27/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	09/23/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	12/15/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	3/18/2004	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	6/23/2004	<0.50	<0.50	<10.0	—	<0.50	<0.50	<0.50	<50.0	—	—	—
	09/20/04	—	—	—	—	<0.50	<0.50	<0.50	—	—	—	—
	12/21/04	—	—	—	—	<0.50	<0.50	<0.50	—	—	—	—
MW4	09/21/89 - 05/09/95	Not analyzed for these analytes.										
	11/20/95	—	—	—	—	—	—	—	ND	—	—	—
	05/23/96	—	—	—	—	—	—	—	—	—	—	—
	11/11/96	—	—	—	—	—	—	—	—	—	—	—
	07/19/99	—	—	—	—	—	ND	—	—	—	—	—
	11/29/99	—	—	—	—	—	ND	—	—	—	—	1260
	02/08/00	—	—	—	—	—	—	—	—	—	—	1380
	05/03/00	—	—	—	—	—	ND	—	—	—	—	700
	08/10/00	—	—	—	—	—	ND	—	—	—	—	640
	11/15/00	—	—	—	—	—	ND	—	—	—	—	580
	02/28/01	—	—	—	—	—	—	—	—	—	—	350
	06/01/01	—	—	—	—	—	—	—	—	—	—	850
	08/15/01	—	—	—	—	—	—	—	—	—	—	520
	10/30/01	—	—	—	—	<1	<1	ND	—	—	—	—
	01/29/02	—	—	—	—	<0.5	<0.5	ND	—	—	—	—
	04/17/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	08/01/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	11/13/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	03/04/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	06/27/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	09/23/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	12/15/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	03/18/04	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	06/23/04	<0.50	<0.50	<10.0	—	<0.50	<0.50	<0.50	<50.0	—	—	—
	09/20/04	—	—	—	—	<0.50	<0.50	<0.50	—	—	—	—
	12/21/04	—	—	—	—	<0.50	<0.50	<0.50	—	—	—	—

**TABLE 1B**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 3 of 4)

Well ID	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol .ug/L	Lead	Nitrate as N	TN	DO
MW6	04/15/91 - 05/09/95	Not analyzed for these analytes.										
	11/20/95	—	—	—	—	—	—	—	7.8	—	—	—
	05/23/96	—	—	—	—	—	—	—	—	—	—	—
	11/11/96	—	—	—	—	—	—	—	—	—	—	—
	07/19/99	—	—	—	—	—	ND	—	—	—	—	—
	11/29/99	—	—	—	—	—	1f	—	—	—	—	870
MW6 (cont.)	02/08/00	—	—	—	—	—	—	—	—	—	—	670
	05/03/00	—	—	—	—	—	ND	—	—	—	—	470
	08/10/00	—	—	—	—	—	ND	—	—	—	—	680
	11/15/00	—	—	—	—	—	ND	—	—	—	—	560
	02/28/01	—	—	—	—	—	—	—	—	—	—	900
	06/01/01	—	—	—	—	—	—	—	—	—	—	700
	08/15/01	—	—	—	—	—	—	—	—	—	—	460
	10/30/01	—	—	—	—	<1	<1	ND	—	—	—	—
	01/29/02	—	—	—	—	<0.5	<0.5	ND	—	—	—	—
	04/17/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	08/01/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	11/13/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	03/04/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	06/27/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	09/23/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	12/15/03	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	03/18/04	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	06/23/04	<0.50	<0.50	<10.0	—	<0.50	<0.50	<0.50	<50.0	—	—	—
	09/20/04	—	—	—	—	<0.50	<0.50	<0.50	—	—	—	—
	12/21/04	—	—	—	—	<0.50	<0.50	<0.50	—	—	—	—
MW7	04/15/91 - 05/09/95	Not analyzed for these analytes.										
	11/20/95	—	—	—	—	—	—	—	ND	—	—	—
	05/23/96	—	—	—	—	—	—	—	—	—	—	—
	11/11/96	—	—	—	—	—	ND	—	—	—	—	—
	07/19/99	—	—	—	—	—	ND	—	—	—	—	—
	11/29/99	—	—	—	—	—	ND	—	—	—	—	900
	02/08/00	—	—	—	—	—	ND	—	—	—	—	890
	05/03/00	—	—	—	—	—	ND	—	—	—	—	590
	08/10/00	—	—	—	—	—	ND	—	—	—	—	640
	11/15/00	—	—	—	—	—	ND	—	—	—	—	1110
	02/28/01	—	—	—	—	—	—	—	—	—	—	810
	06/01/01	—	—	—	—	—	—	—	—	—	—	<30
	08/15/01	—	—	—	—	—	—	—	—	—	—	550
	10/30/01	—	—	—	—	—	<1	—	—	—	—	390
	01/29/02	—	—	—	—	<0.5	<0.5	ND	—	—	—	—
	04/17/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	08/01/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—
	11/13/02	—	—	—	—	<0.50	<0.50	ND	—	—	—	—

**TABLE 1B**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Mobil Service Station SR-OSA  
257 College Avenue,  
Santa Rosa, California  
(Page 4 of 4)

Well ID	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol ug/L	Lead	Nitrate as N	TN	DO
	<.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	>
	03/04/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
	06/27/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
	09/23/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
	12/15/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
	03/18/04	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—	—	—	—
	09/20/04	—	—	—	<0.50	<0.50	<0.50	—	—	—	—	—
	12/21/04	---	—	—	<0.50	<0.50	<0.50	—	—	—	—	—

Notes: Data prior to Second Quarter 2003 provided by previous consultant.

TOC	=	Elevation of top of well casing; relative to mean sea level (MSL) in feet.
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
sheen	=	Liquid-phase hydrocarbons present as a sheen.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater; relative to mean sea level.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Lead	=	Total lead.
Nitrate as N	=	Nitrate as nitrogen.
TN	=	Total nitrite/nitrate nitrogen.
DO	=	Dissolved oxygen.
ug/L	=	Micrograms per liter.
—	=	Not sampled/Not measured.
<	=	Less than the stated laboratory method reporting limit.
ND	=	Not detected above the laboratory method reporting limit.
a	=	Well inaccessible.
b	=	Methyl tertiary butyl ether analyzed using EPA Method 8260.
c	=	Discrete peak.

**TABLE 2**  
**ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Mobil Service Station SR-OSA  
257 College Avenue  
Santa Rosa, California  
(Page 1 of 1)

Sample ID	Date Collected	Depth (ft bgs)	TPHd <.....	TPHg .....mg/Kg.	MTBE	B	T	E	X	HVOCS	Total lead
S-2-B1	1/6/2005	2	<9.92	<5.00	<0.0012	0.0837	0.0212	0.0476	0.0839	—	—
S-4-B1	1/6/2005	4	<10.0	<5.00	<0.0010	0.0062	<0.0012	0.0012	0.0036	—	—
S-8-B1	1/6/2005	8	<10.1	15.1	<0.0011	0.0267	0.0139	0.0195	0.0269	—	—
S-11.5-B1	1/6/2005	11.5	<10.0	<5.00	<0.0011	<0.0011	<0.0011	<0.0011	<0.0033	—	—
S-2-B2	1/6/2005	2	<10.0	<7.58	<0.0011	0.0136	0.0136	0.0030	0.0212	—	—
S-6-B2	1/6/2005	6	<9.92	<8.22	<0.0015	0.0025	<0.0061	0.0025	0.0061	—	—
S-8-B2	1/6/2005	8	18.3a	11.5	<0.0014	0.0039	0.0082	0.0324	0.0645	—	—
S-10-B2	1/6/2005	10	<10.1	<7.11	<0.0014	0.0020	0.0030	0.0081	0.0125	—	—
S-11.5-B2	1/6/2005	11.5	<10.1	<6.90	<0.0014	<0.0014	<0.0014	<0.0014	<0.0042	—	—
S-2-B4	1/6/2005	2	11.8a	13.3	<0.0010	2.85	0.0091	0.162	0.0381	—	—
S-4-B4	1/6/2005	4	<9.92	42.9	0.0038	2.20	0.222	1.23	0.246	—	—
S-6-B4	1/6/2005	6	19.5a	202	<0.0455	2.80	1.16	8.69	1.79	—	—
S-8.5-B4	1/6/2005	8.5	12.7a	102	<0.0785	1.75	0.490	5.51	2.56	—	—
S-10-B4	1/6/2005	10	13.6a	45.9	<0.0013	1.38	0.240	3.95	0.335	—	—
S-11.5-B4	1/6/2005	11.5	<10.0	<5.00	0.0014	0.0435	<0.0015	0.0089	<0.0044	—	—
S-2-B5	1/6/2005	2	<10.1	13.2	<0.0016	5.11	0.0114	0.224	0.121	—	—
S-4-B5	1/6/2005	4	13.6a	36.7	<0.0019	1.20	<0.0965	1.53	0.550	—	—
S-6-B5	1/6/2005	6	33.7a	1,410	<0.106	4.38	5.44	44.3	64.1	—	—
S-8-B5	1/6/2005	8	24.1a	61.8	<0.0928	1.47	<0.186	4.01	8.48	—	—
S-10-B5	1/6/2005	10	11.4a	<5.00	0.0065	0.0682	0.0031	0.0155	0.0124	—	—
S-11.5-B5	1/6/2005	11.5	<10.1	<5.02	<0.0018	0.0143	0.0027	0.0204	0.0417	—	—
S-2-B6	1/6/2005	2	<10.0	<4.95	0.0297	<0.0010	<0.0010	<0.0010	0.0089	—	—
S-6-B6	1/6/2005	6	11.4a	<4.95	0.0077	0.0032	0.0010	0.0022	0.0124	—	—
S-8-B6	1/6/2005	8	16.4a	103	<0.0015	0.0058	0.0127	1.27	1.80	—	—
S-10-B6	1/6/2005	10	11.2a	<5.04	<0.0011	0.0019	<0.0010	0.0125	0.0126	—	—
S-12-B6	1/6/2005	12	21.2a	<5.07	<0.0013	0.0021	<0.0010	0.0023	0.0069	—	—
S-2-B7	1/6/2005	2	30.6	<5.00	0.0053	<0.0010	<0.0010	<0.0010	0.0084	—	—
S-4-B7	1/6/2005	4	<10.0	<4.93	0.0198	<0.0010	<0.0010	<0.0010	0.0036	—	—
S-6-B7	1/6/2005	6	10.4a	<4.98	0.0425	<0.0010	0.0020	0.0041	0.0044	—	—
S-8-B7	1/6/2005	8	15.8a	<4.87	0.0330	0.0017	0.0019	0.0025	0.0032	—	—
S-10-B7	1/6/2005	10	13.3a	<5.05	0.0935	0.0044	<0.0010	0.0882	<0.0030	—	—
S-11.5-B7	1/6/2005	11.5	<10.0	<4.99	0.0314	0.0051	<0.0010	0.0131	0.0039	—	—
SP-1-(1-4)	1/6/2005	NA	37.1	<5.03	<0.0020	<0.0010	<0.0050	<0.0050	0.0242	ND	8.90

Notes:

- S-2-B1 = Soil sample - depth, in ft. bgs - boring number.
- ft bgs = Feet below ground surface.
- TPHd = Total purgeable petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
- TPHg = Total purgeable petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
- MTBE = Methyl tert-butyl ether analyzed using EPA Method 8260B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
- HVOCS = Halogenated Volatile Organic Compounds analyzed using EPA Method 8260B.
- Total lead = Lead analyzed using EPA Method 6010B.
- mg/kg = Milligrams per kilogram.
- NA = Not analyzed / Not applicable.
- ND = All analytes not detected at or above laboratory method reporting limits.
- < = Not detected at or above the stated laboratory method reporting limits.
- = Analysis not run for this sample.
- a = Diesel-range organic compounds reported in sample; however, the chromatogram pattern is not representative of diesel fuel.

Analyte Concentrations in mg/kg

-5 FT Sample Depth

2,600 Total Petroleum Hydrocarbons  
as gasoline

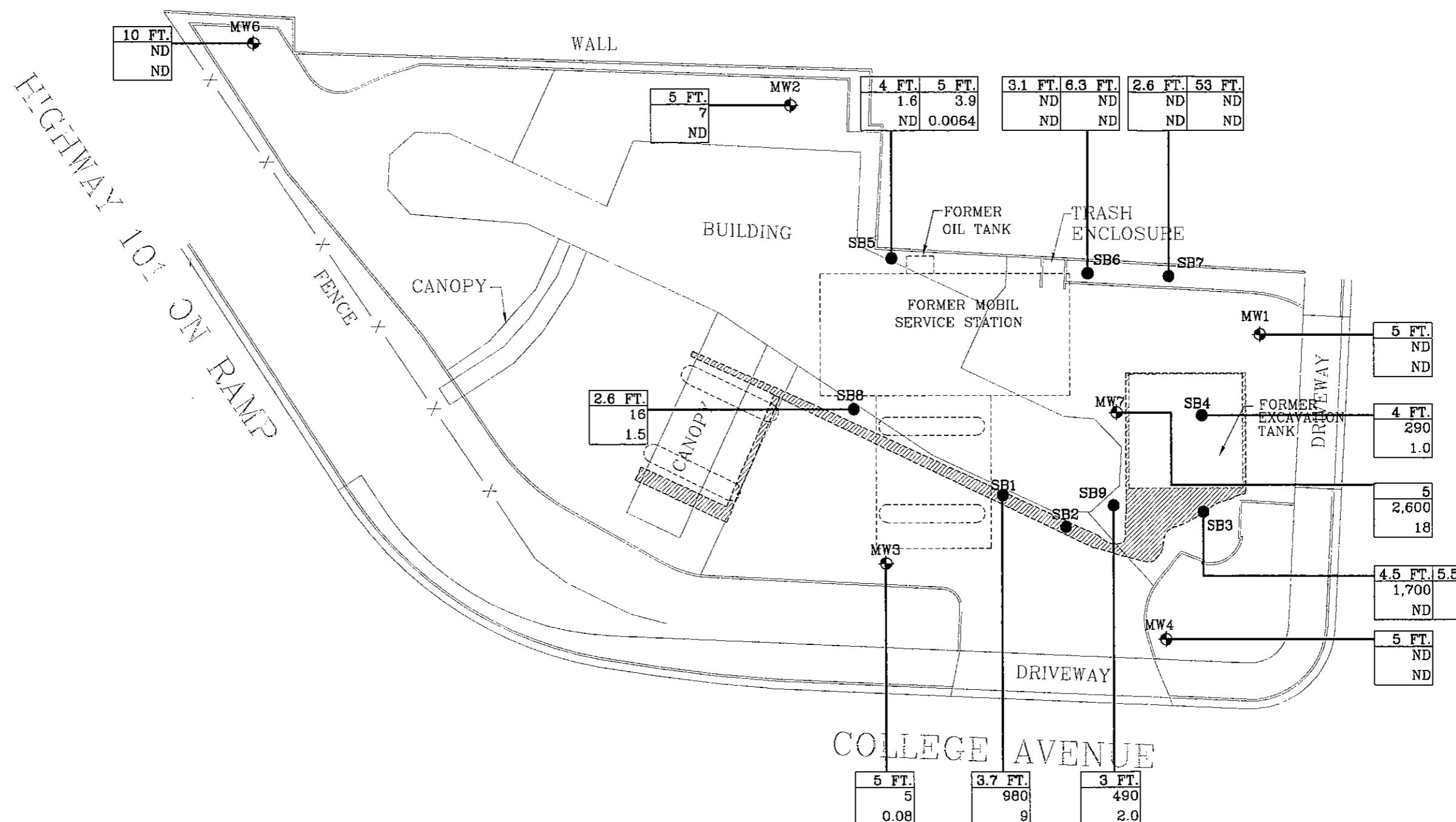
18 Benzene

< Less Than the Stated Laboratory  
Reporting Limit

mg/kg Milligrams per Kilogram

N

MORGAN STREET



FN 25920002\_SP



## SOIL ANALYTICAL RESULTS FROM 1989 THROUGH 1992

FORMER  
MOBIL SERVICE STATION SR-OSA  
257 College Avenue  
Santa Rosa, California

### EXPLANATION

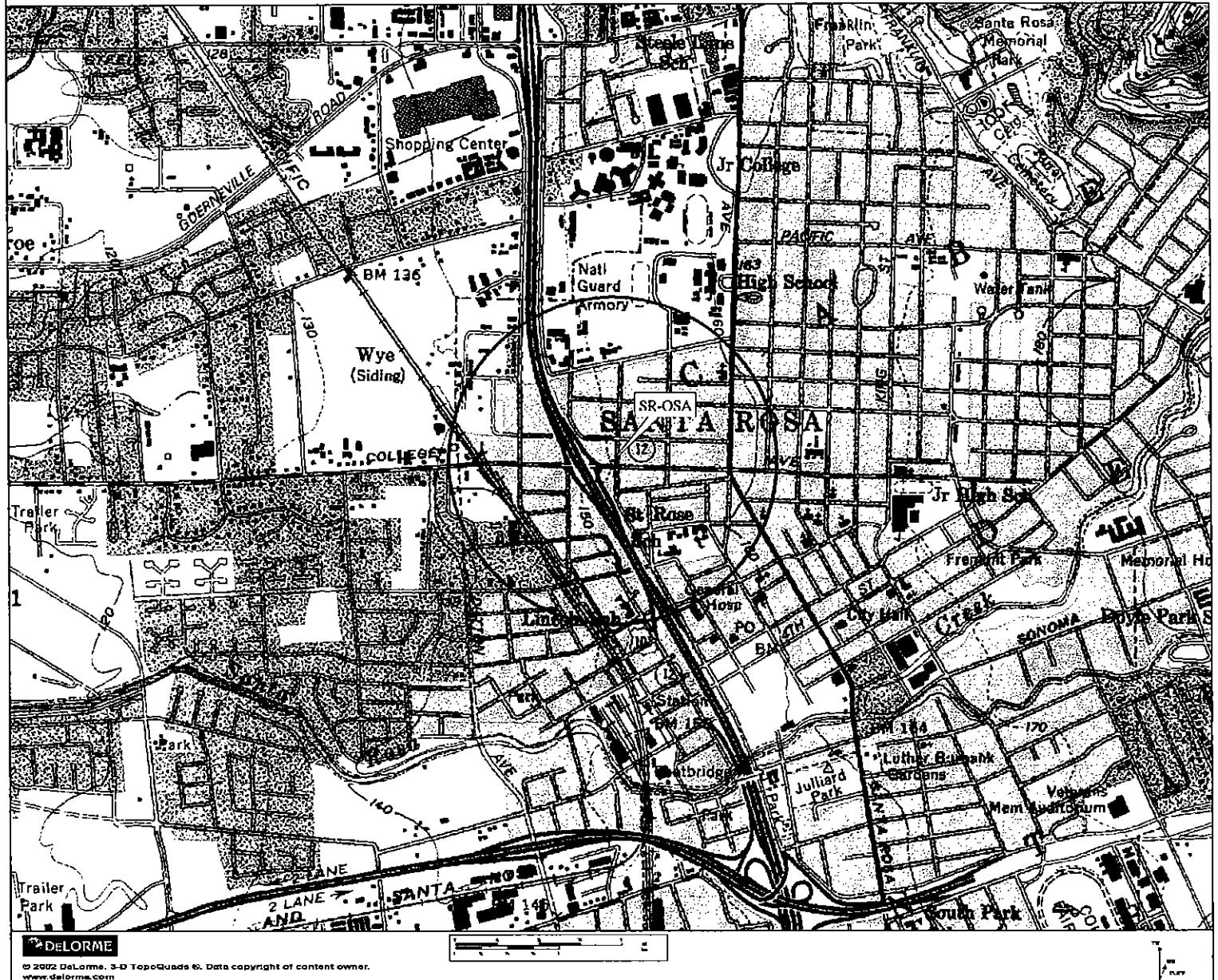
MW7 ◆ Groundwater Monitoring Well

SB9 ● Soil Boring By Others

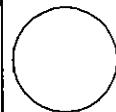
■ Area of Excavation  
○ Former Pump Islands

PROJECT NO.  
2592

PLATE  
4



## EXPLANATION



2,000 ft. radius circle

## APPROXIMATE SCALE



0                    0.5                    1  
miles

SOURCE:  
Modified from a map  
provided by  
DeLorme 3-D TopoQuads

## SITE VICINITY MAP

Former Mobil Service Station SR-OSA  
257 College Avenue  
Santa Rosa, California

PROJECT NO.

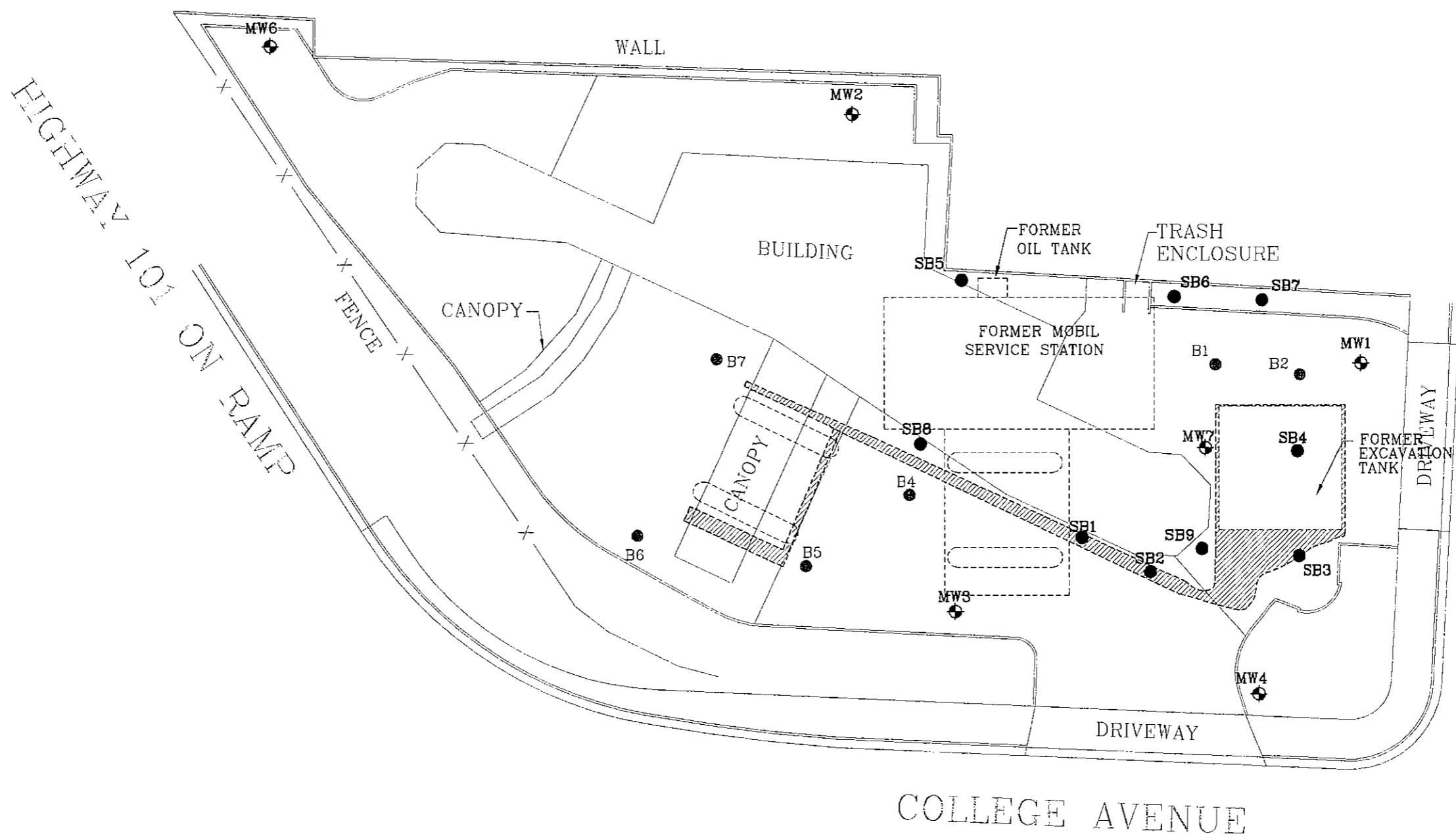
2592

PLATE

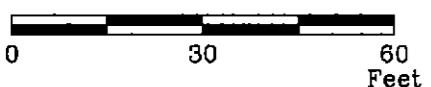
1



MORGAN STREET



APPROXIMATE SCALE



FN 25920002\_SP



## GENERALIZED SITE PLAN

FORMER  
MOBIL SERVICE STATION SR-OSA  
257 College Avenue  
Santa Rosa, California

### EXPLANATION

MW7

• Groundwater Monitoring Well

B7

• Soil Boring

SB9

• Soil Boring By Others

■ Area of Excavation

( ) Former Pump Islands

PROJECT NO.

2592

PLATE

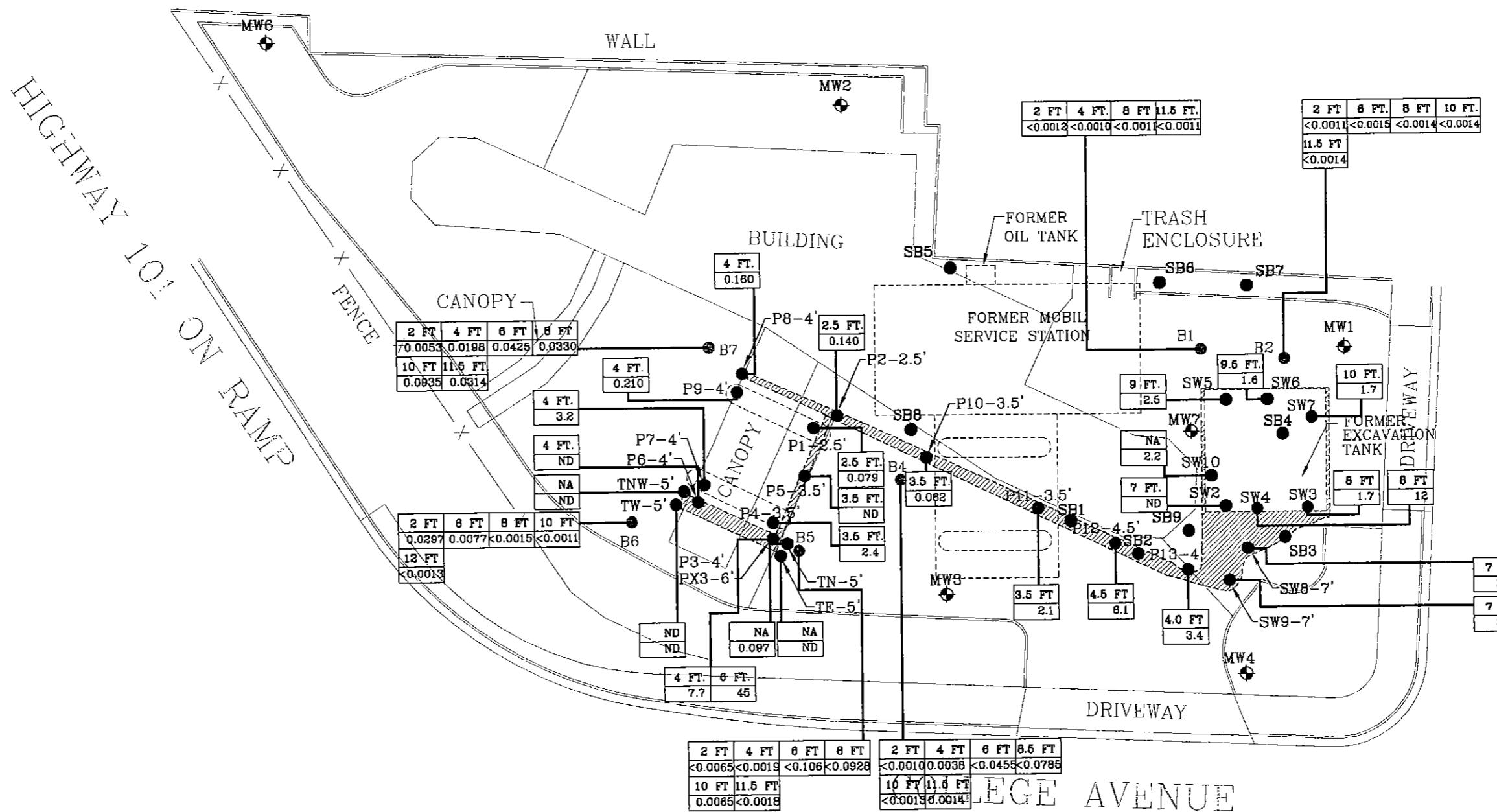
2

### Analyte Concentrations in mg/kg

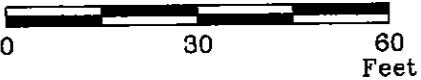
5 FT. Sample Depth

2,600 MTBE

< Less Than the Stated Laboratory Reporting Limit  
mg/kg Milligrams per Kilogram



APPROXIMATE SCALE



FN 25920002\_SP



**ANALYTICAL RESULTS OF MTBE  
IN SOIL  
FORMER  
MOBIL SERVICE STATION SR-OSA  
257 College Avenue  
Santa Rosa, California**

## EXPLANATION

MWT

• Groundwater Monitoring Well

1

### • Soil Boring

- SB9
  - Soil Boring By Others
- P13-4
  - Tank Pit Boring
-  Area of Excavation
-  Former Pump Islands

**PROJECT NO.**  
**2592**

---

**PLATE**  
8

Analyte Concentrations in mg/kg  
Sampled January 6, 2005

6 FT Sample Depth

### 1.410 Total Petroleum Hydrocarbons

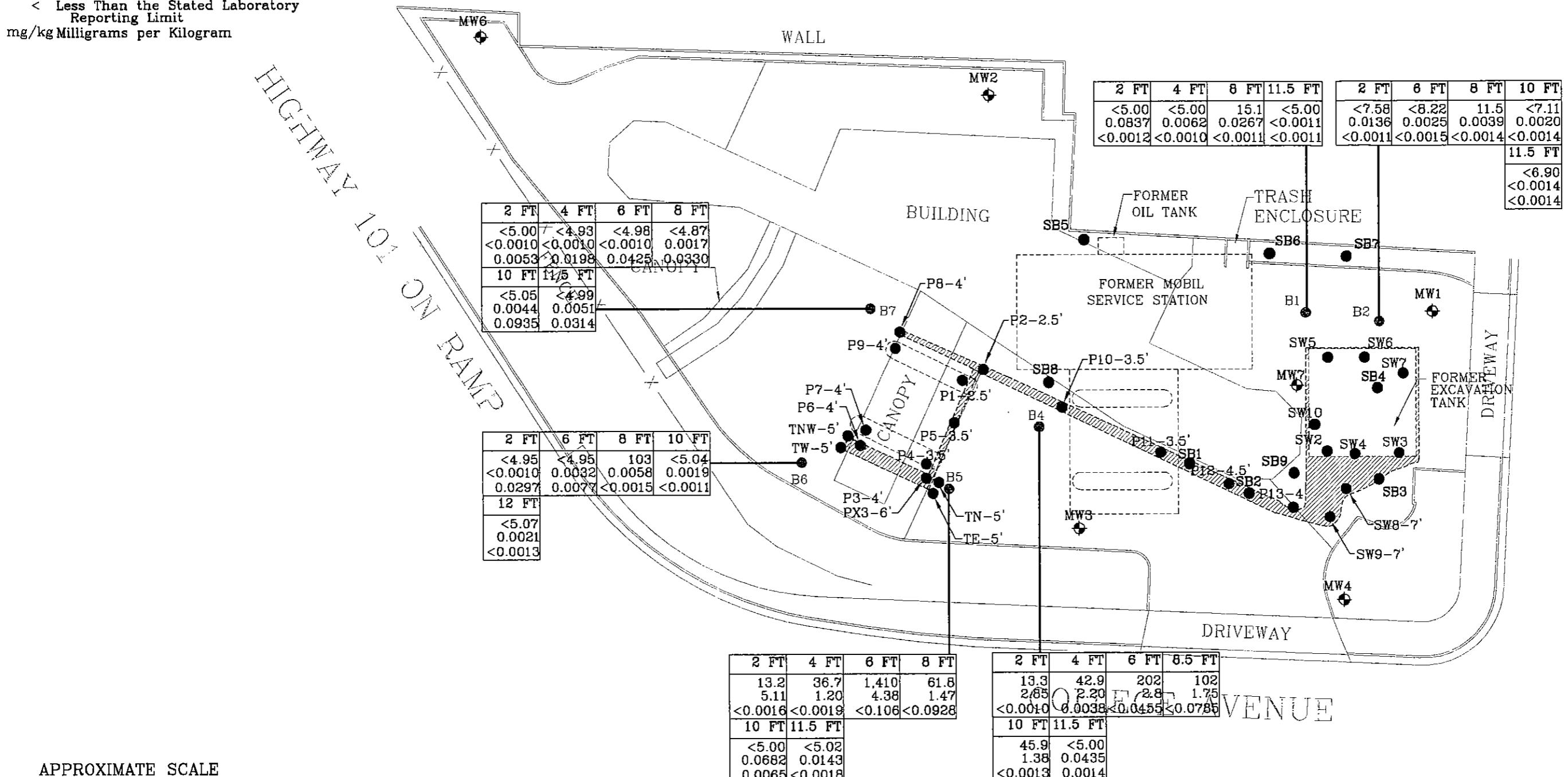
as gasoline  
4.38 Benzene

4.38 Benzene  
0.106 Methyl Terti

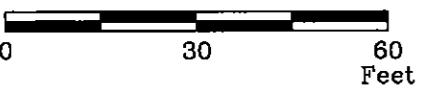
<0.106 Methyl Tertiary Butyl Ether

### **< Less Than the Standard**

**Reporting Limit**



**APPROXIMATE SCALE**



FN 25920002\_SP

**SOIL SAMPLE LOCATIONS  
AND 2005 SOIL ANALYTICAL RESULTS**

FORMER  
MOBIL SERVICE STATION SR-OSA  
257 College Avenue  
Santa Rosa, California

## **EXPLANATION**

S | MW7

Groundwater Monitoring Well

E

### • Soil Boring

SB9  
 • Soil Boring By Others  
 '13-'4'  
 • Tank Pit Boring

 Area of Excavation

 Former Pump Islands

**PROJECT NO.**  
**2592**

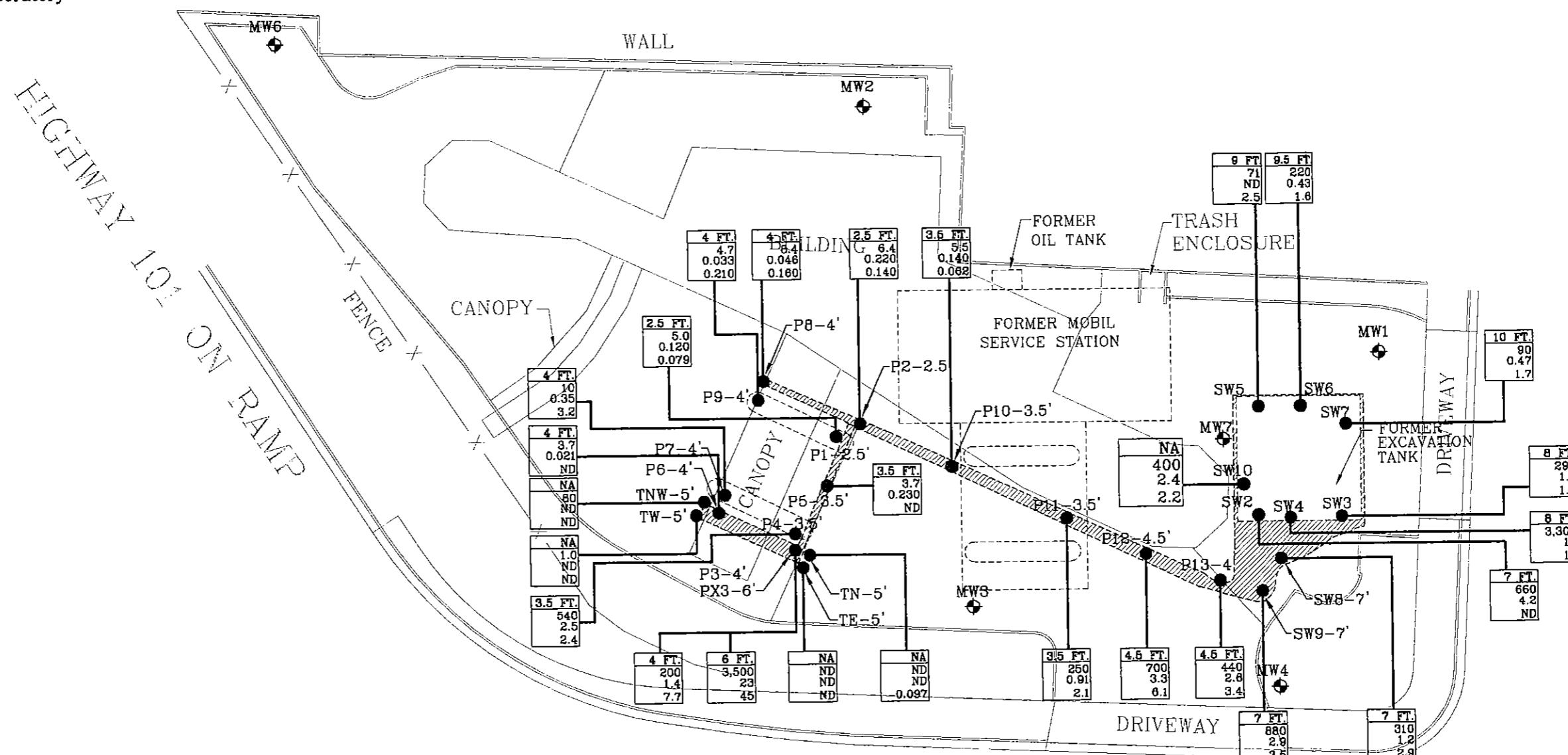
---

**PLATE**  
**3**

Analyte Concentrations in mg/kg  
 8 FT. Sample Depth  
 3,300 Total Petroleum Hydrocarbons  
 as gasoline  
 17 Benzene  
 12 MTBE

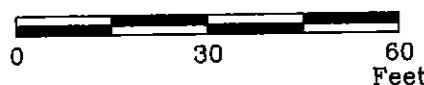
< Less Than the Stated Laboratory  
 Reporting Limit  
 mg/kg Milligrams per Kilogram

MORGAN STREET



COLLEGE AVENUE

APPROXIMATE SCALE



FN 25920002\_SP

**SOIL ANALYTICAL RESULTS  
FROM 1999**  
 FORMER  
 MOBIL SERVICE STATION SR-OSA  
 257 College Avenue  
 Santa Rosa, California



EXPLANATION

MW?

Groundwater Monitoring Well

P13-4'

Tank Pit Boring

Area of Excavation

Former Pump Islands

PROJECT NO.  
2592

PLATE  
5

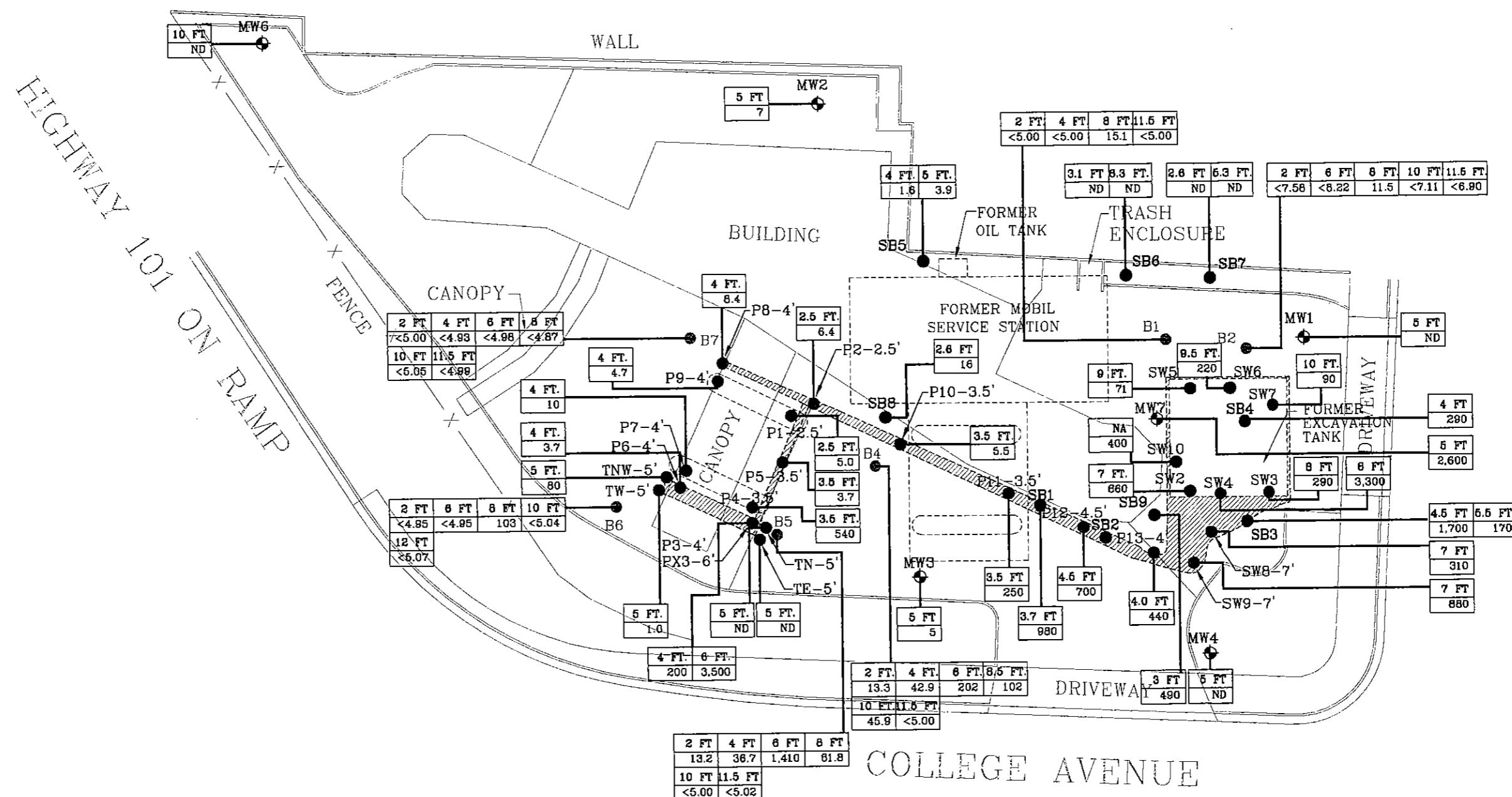
Analyte Concentrations in mg/kg

6 FT. Sample Depth

3,500 Total Petroleum Hydrocarbons  
as gasoline

< Less Than the Stated Laboratory  
Reporting Limit

mg/kg Milligrams per Kilogram



**ANALYTICAL RESULTS OF TPHg  
IN SOIL**  
FORMER  
MOBIL SERVICE STATION SR-OSA  
257 College Avenue  
Santa Rosa, California

EXPLANATION

**MW7**

● Groundwater Monitoring Well

**B7**

● Soil Boring

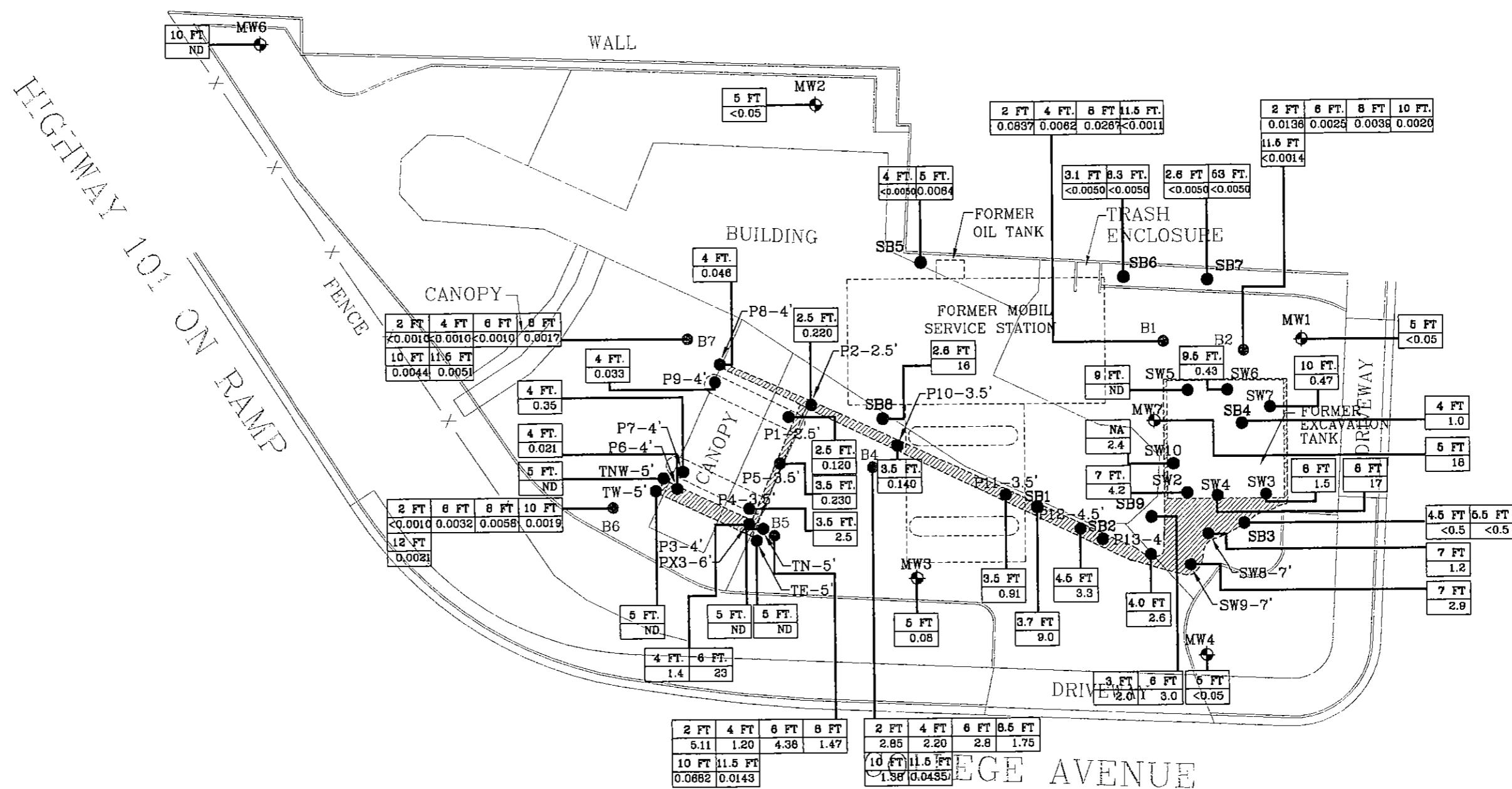
Analyte Concentrations in mg/kg

5 FT Sample Depth

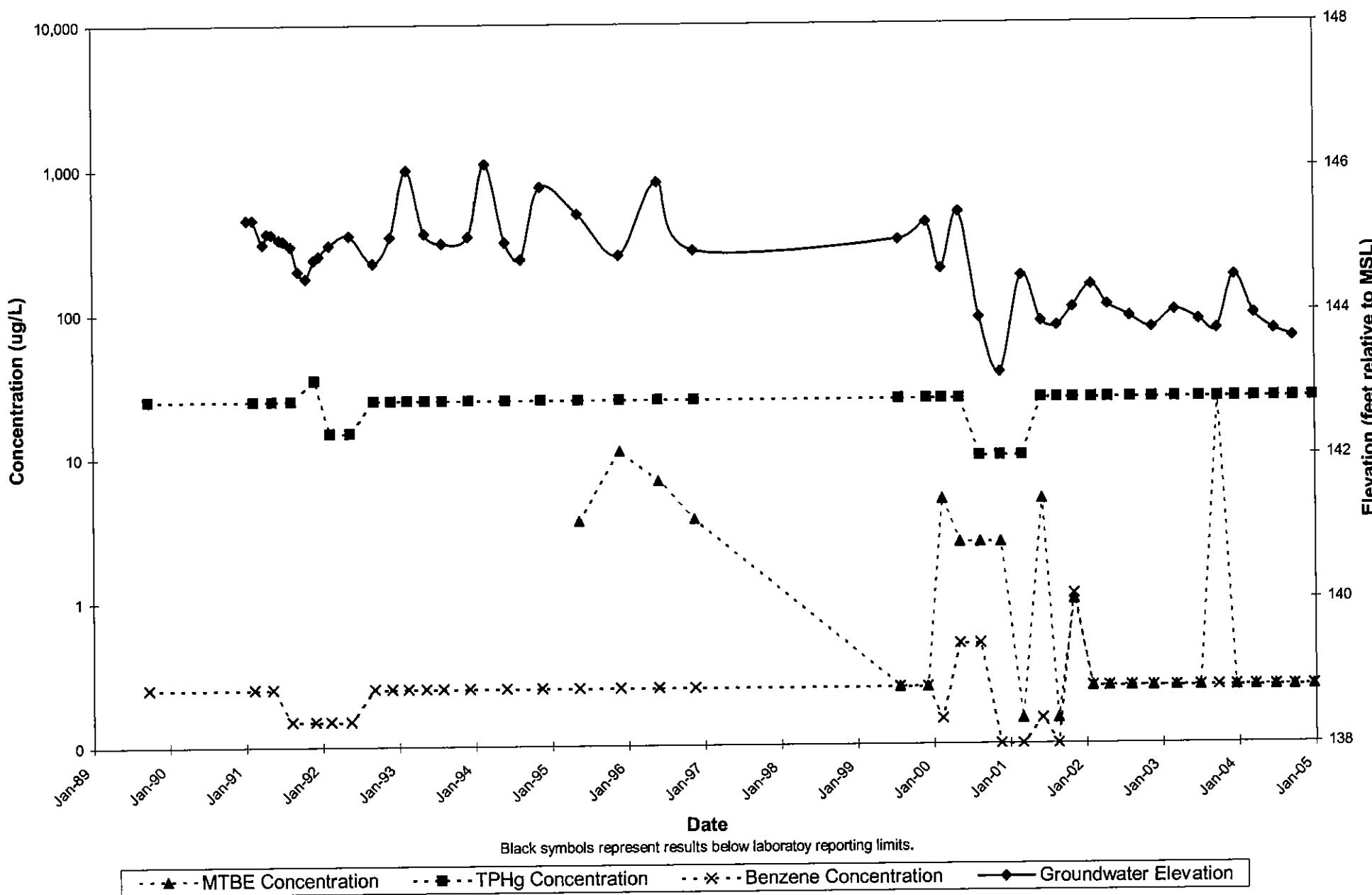
2,600 Benzene

< Less Than the Stated Laboratory Reporting Limit

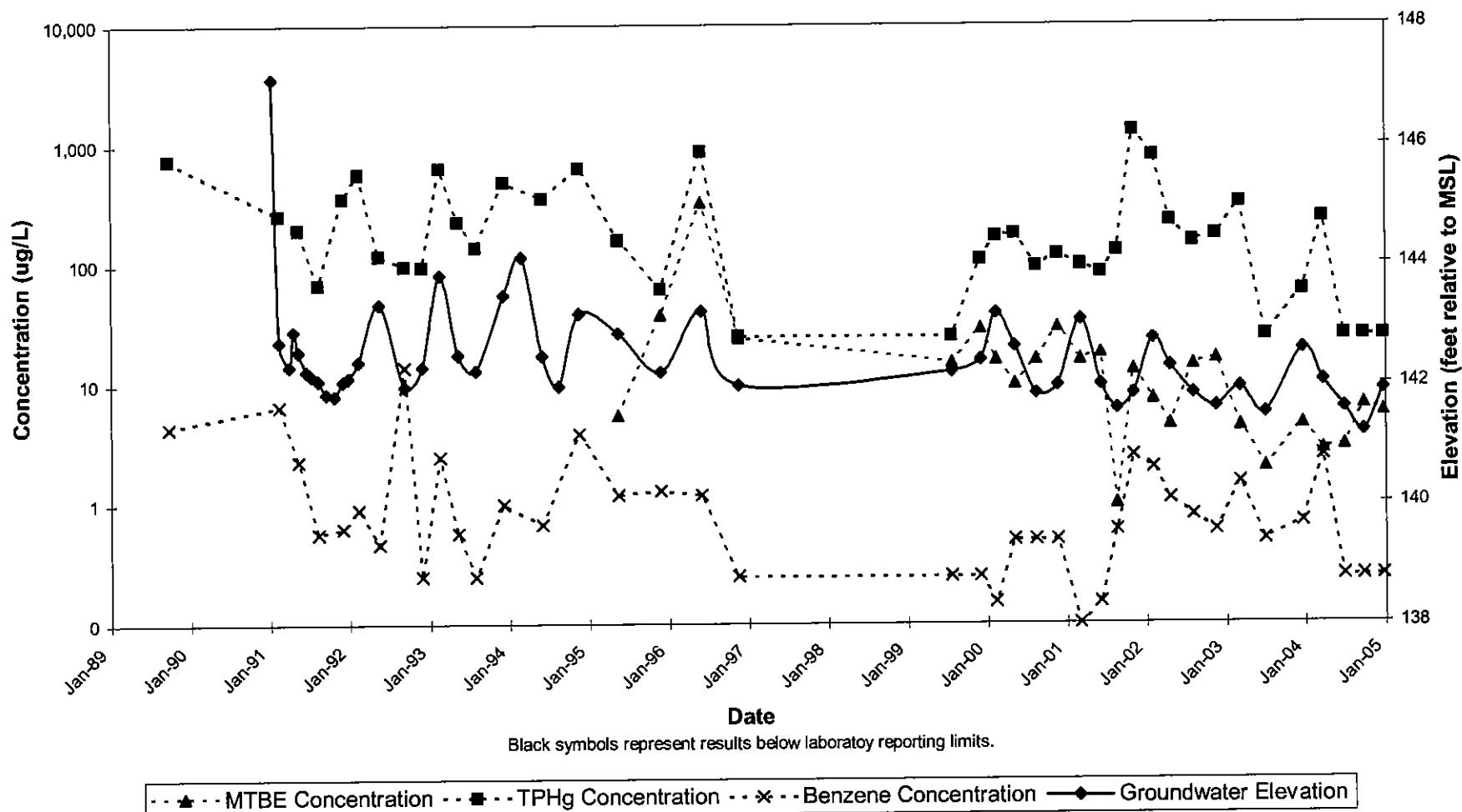
mg/kg Milligrams per Kilogram



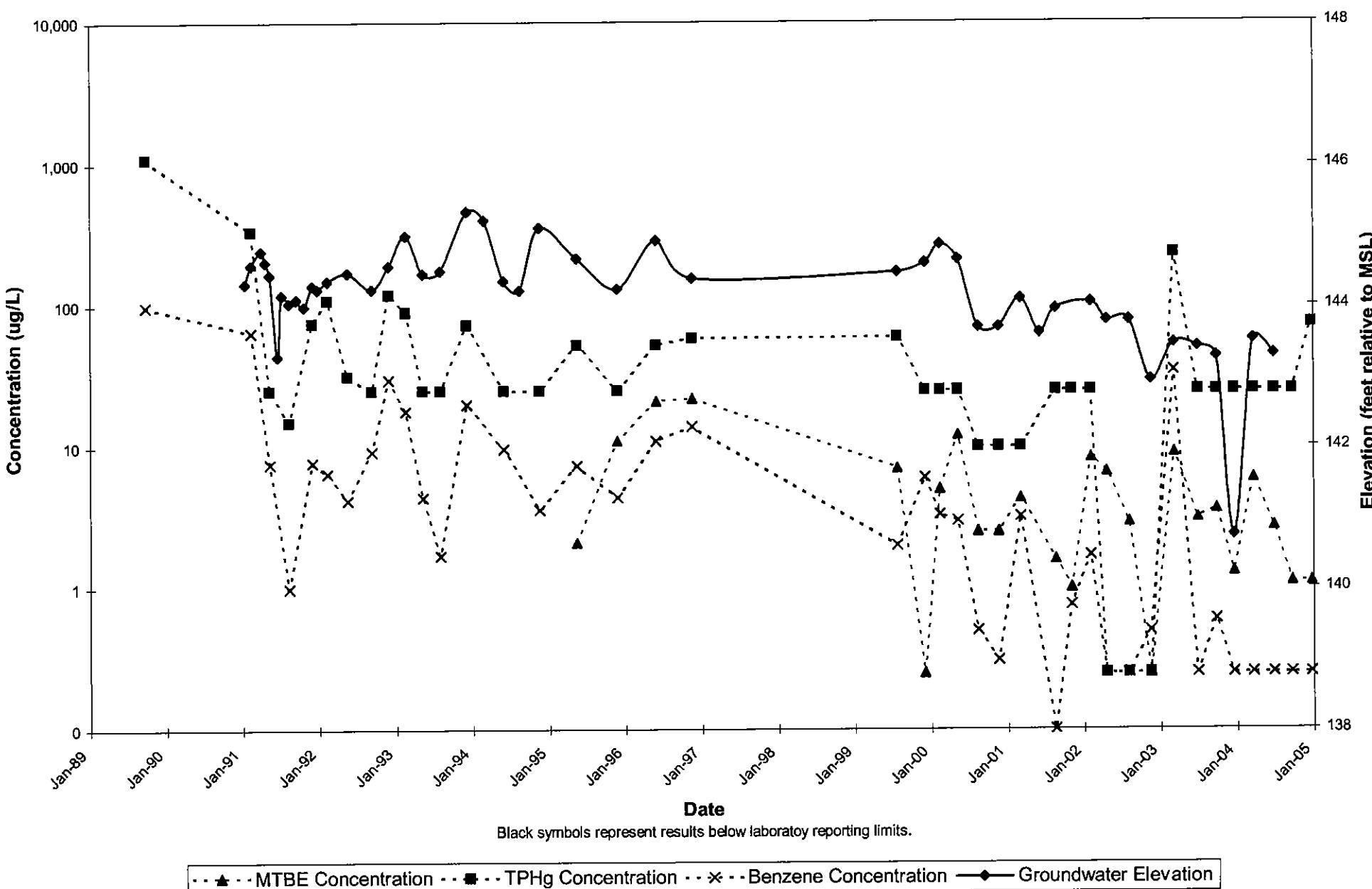
**GRAPH 1**  
**Hydrograph-Well MW1**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



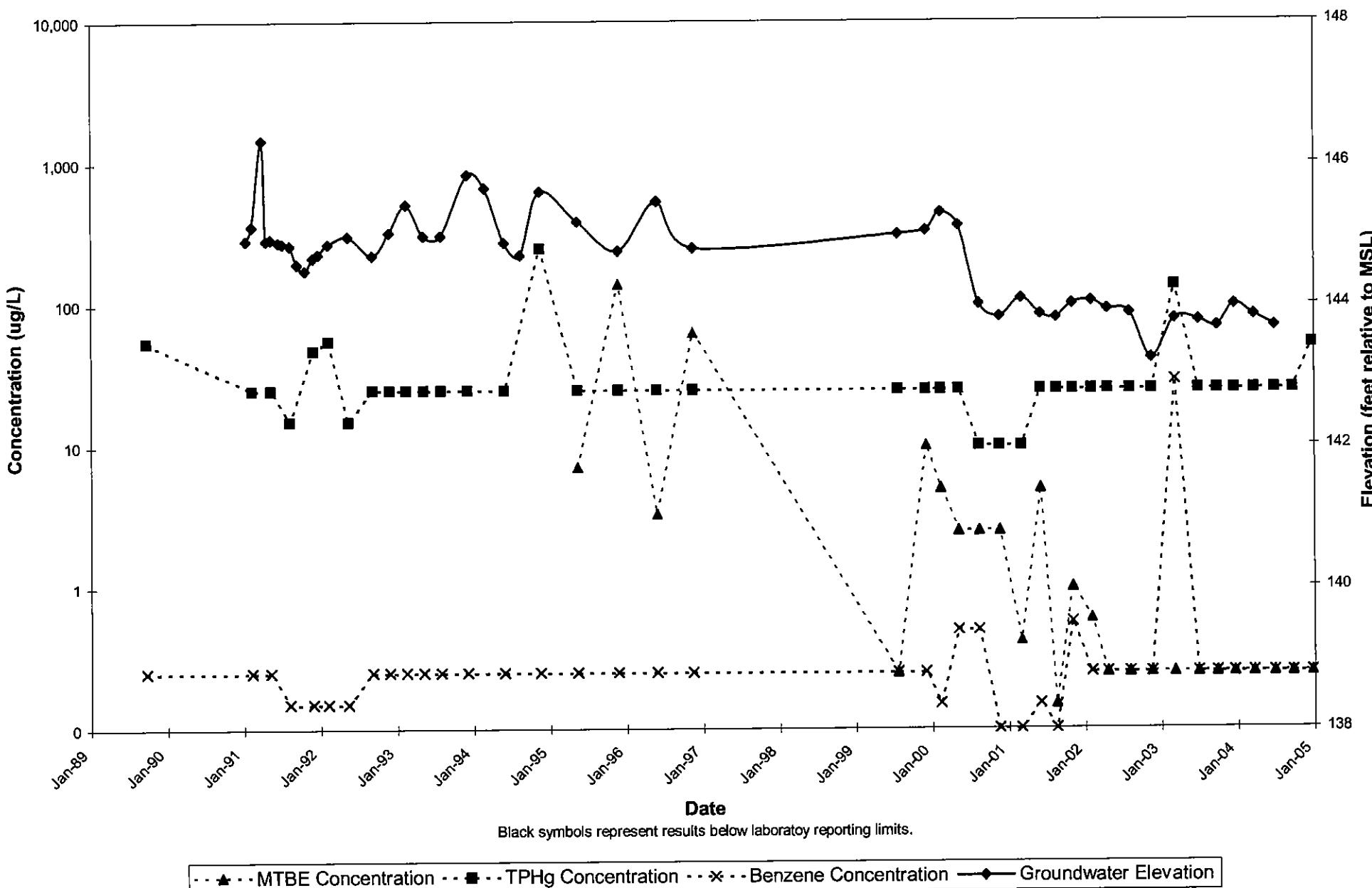
**GRAPH 2**  
**Hydrograph-Well MW2**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



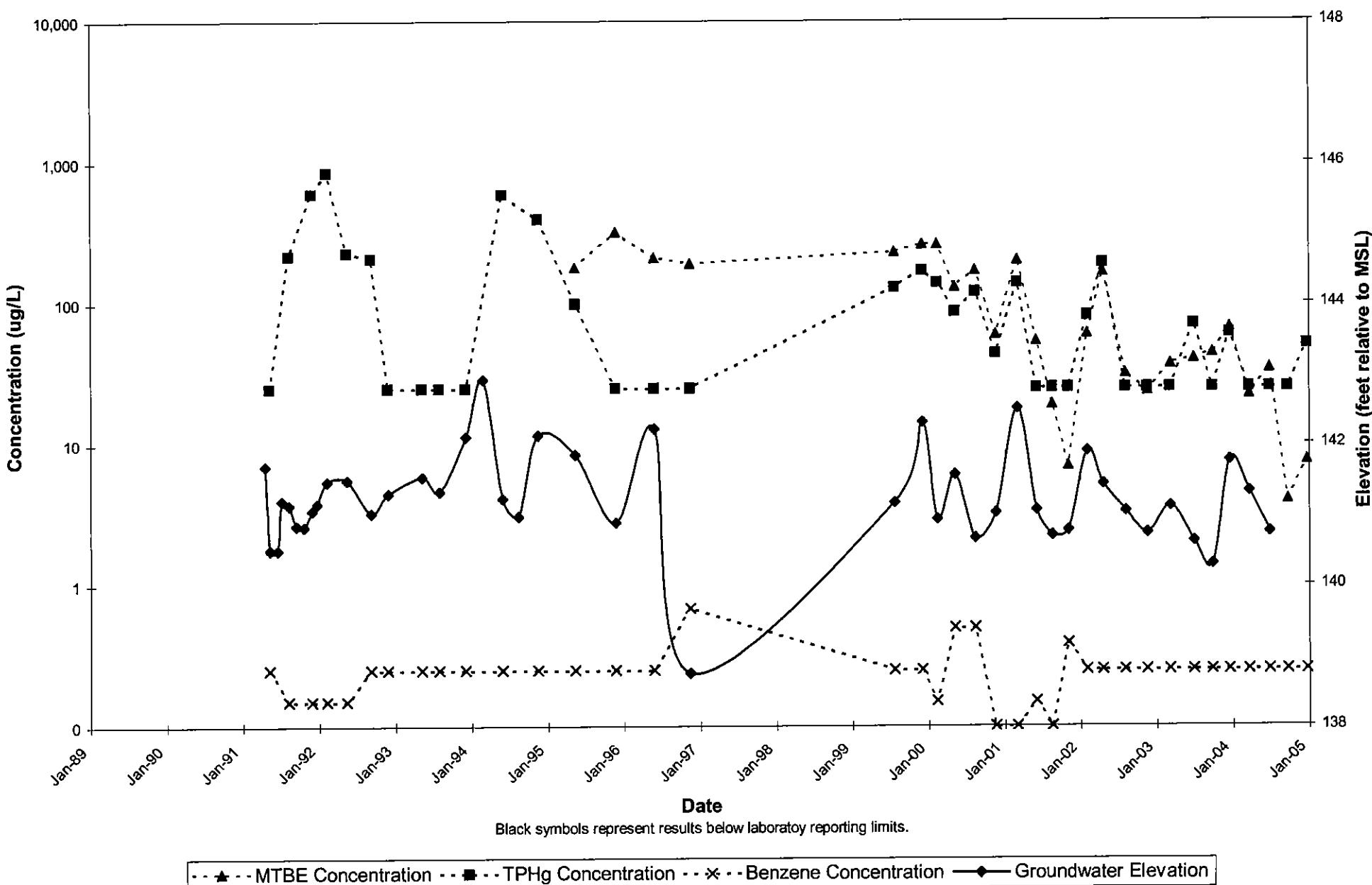
**GRAPH 3**  
**Hydrograph-Well MW3**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



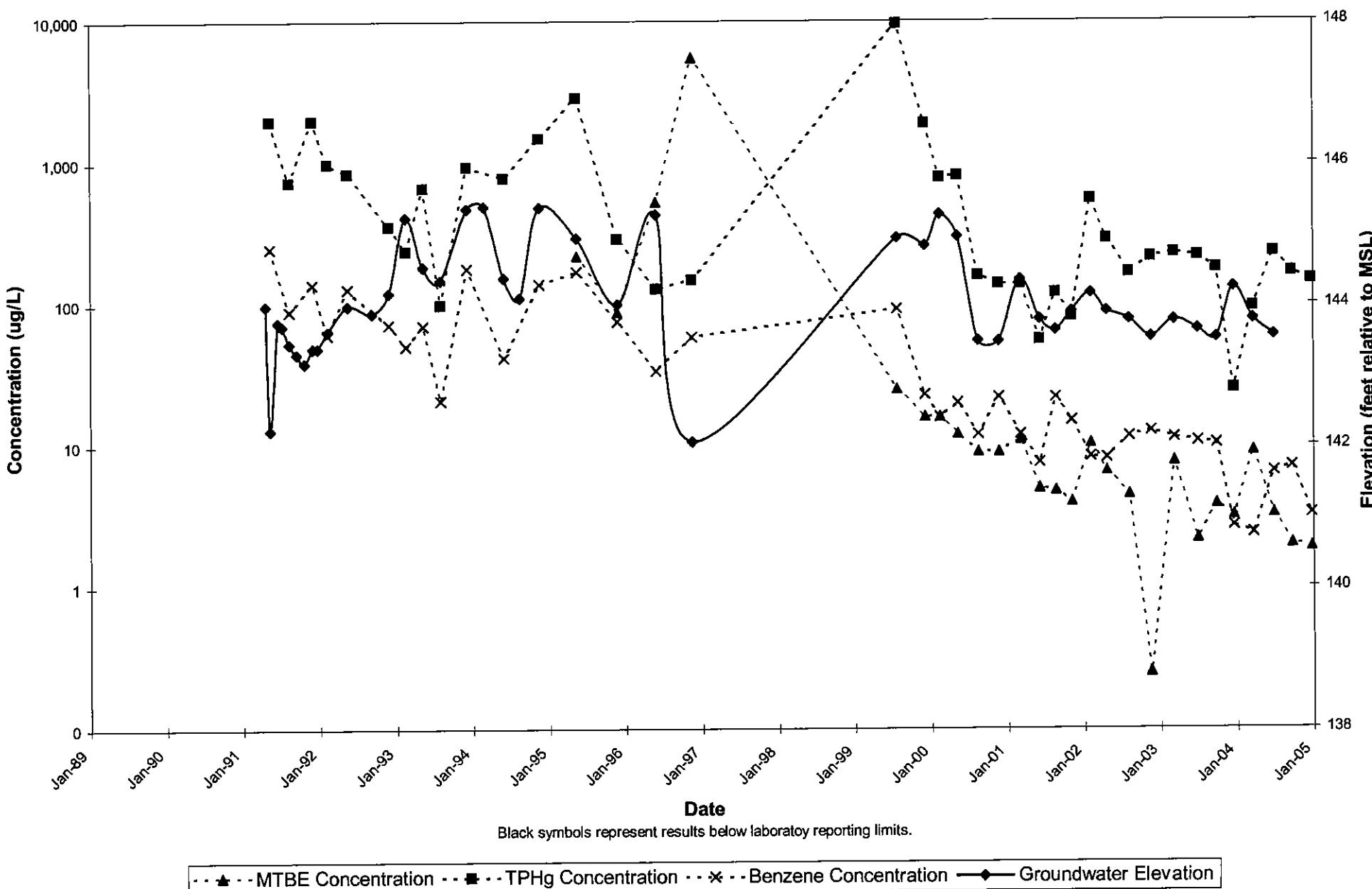
**GRAPH 4**  
**Hydrograph-Well MW4**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



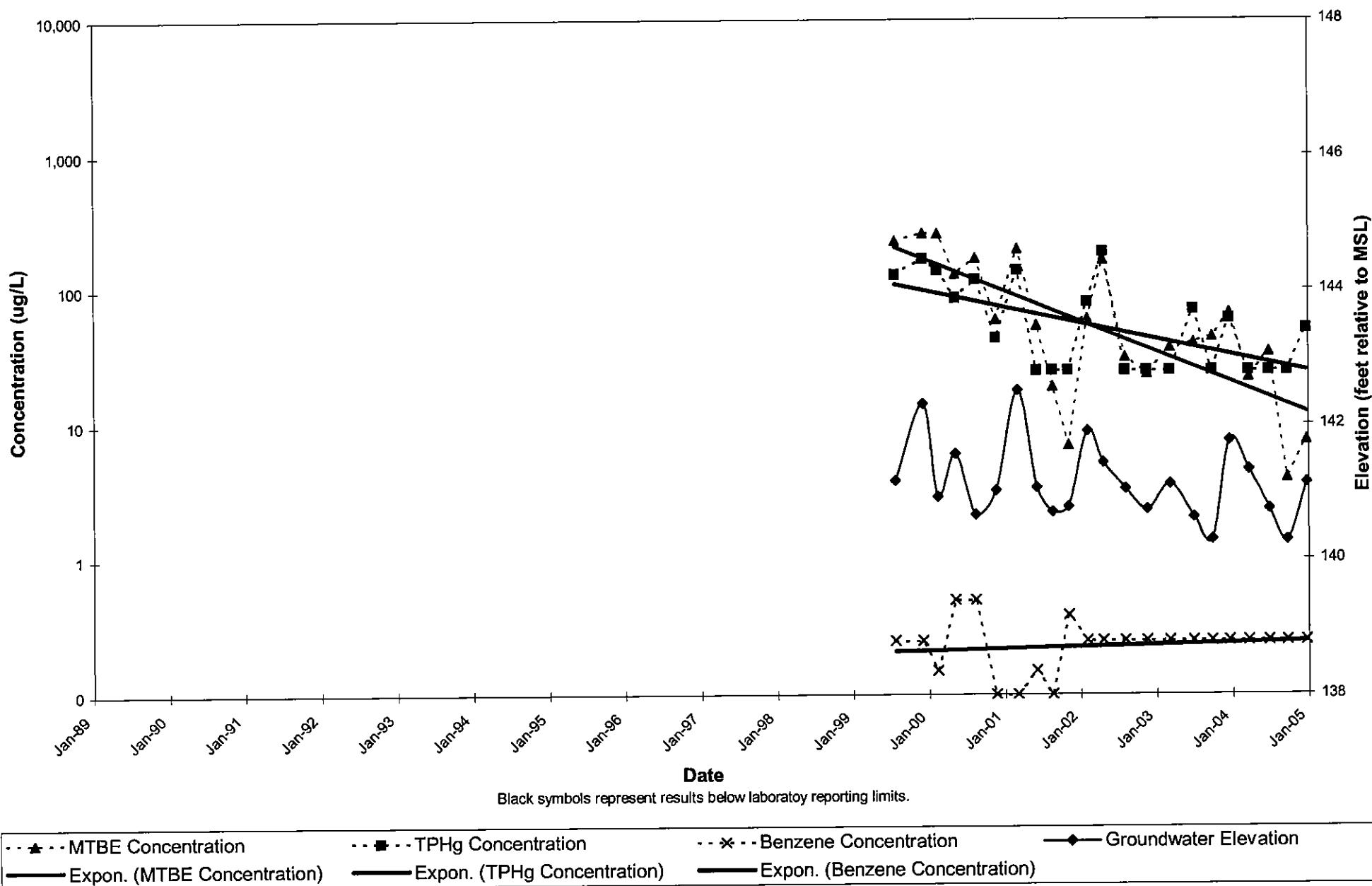
**GRAPH 5**  
**Hydrograph-Well MW6**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



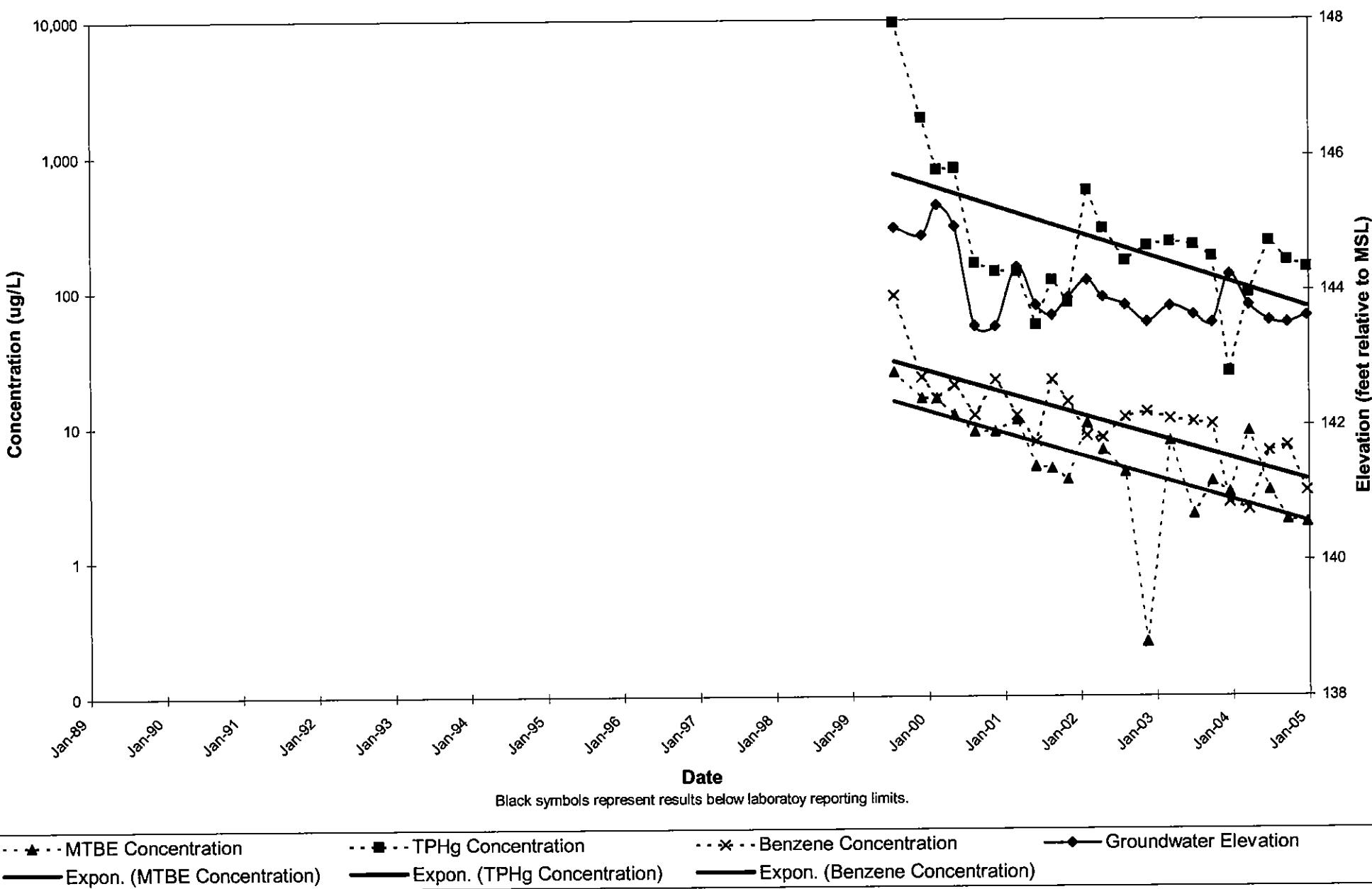
**GRAPH 6**  
**Hydrograph-Well MW7**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



**GRAPH 7**  
**Hydrograph-Well MW6-1999 to Present**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



**GRAPH 8**  
**Hydrograph-Well MW7-1999 to Present**  
**Former Mobil Service Station SR-OSA**  
**Santa Rosa, California**



**ATTACHMENT A**

**REGULATORY CORRESPONDENCE**

SR-CDA

2592



Terry Tamminen  
Secretary for  
Environmental  
Protection

California Regional Water Quality Control Board  
North Coast Region  
William R. Massey, Chairman



Arnold  
Schwarzenegger  
Governor

<http://www.swrcb.ca.gov/rwqcb1/>  
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403  
Phone 1-877-721-9203 Office (707) 576-2220 FAX (707) 523-0135

September 30, 2004

Mr. Edward Gilmore  
27 Rancheria Road  
Kentfield, CA 94904

Mr. Robert Mello  
2013 Waltzer Road  
Santa Rosa, CA 95403

Mr. Gene N. Ortega  
ExxonMobil Refining and Supply Company  
25A Crescent Drive #407  
Pleasant Hill California 94523

Mr. Tim Mitchell  
Mission Hand Car Wash  
and Quik Lube  
59 Mission Circle  
Santa Rosa, CA 95409

Dear Gentlemen:

Subject: Status of Site Investigation; Request for Work Plan

File: Crystal Clear Car Wash, 257 College Avenue, Santa Rosa; Case No. 1TSR254;  
USTCF Claim No. 012509

Regional Water Board staff has reviewed the September 14, 2004 Work Plan for Supplemental Evaluation of Soil and Groundwater, prepared for the subject site by Environmental Resolutions, Inc. (ERI). The work plan proposes the installation of one groundwater monitoring well and seven exploratory borings. On September 22, 2004, ERI amended the work plan to relocate proposed monitoring well MW-8 further to the south, as close to the on-site building as practical.

We concur with implementing the amended proposed scope of work. Please inform our staff of the field schedule at least ten days prior to commencing the fieldwork, but no later than October 30, 2004.

Please contact me at (707) 576-2469 if you have any questions or comments.

Sincerely,

Jim Tischler  
Environmental Scientist

JAT:js/093004\_CrystalClear04.let

California Environmental Protection Agency

Recycled Paper

Gentlemen

- 2 -

September 30, 2004

cc: Mr. John Anderson, Sonoma County Environmental Health Department  
Ms. Andrea Jensen, Santa Rosa Fire Department, 955 Sonoma Avenue, Santa Rosa, CA  
95404  
Mr. Bill Wiggins, TransTech Consultants, 930 Shiloh Road, Bldg. 44, Suite J, Windsor  
California 95492  
Environmental Resolutions, Inc., 73 Digital Drive, Suite 1000, Novato California, CA  
94949-5701  
Ms. Shari Kneirem, UST Cleanup Fund, Regarding: USTCF Claim No. 012509, P.O. Box  
944212, Sacramento, CA 94244-2120

**ATTACHMENT B**

**RESULTS OF LABORATORY ANALYSES  
OF PREVIOUS SOIL SAMPLES**

Table 1  
Soil Analytical Results to Date  
(mg/kg<sup>1</sup>)

Boring <sup>2</sup>	Depth (feet)	Date Sampled	TPHG <sup>3</sup>	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-1	5	08/30/89	<5	<0.05	<0.1	<0.1	<0.3
MW-2	5	08/30/89	7	<0.05	<0.1	<0.1	<0.3
MW-3	5	08/30/89	5	0.08	<0.1	0.2	0.6
MW-4	5	08/30/89	<5	<0.05	<0.1	<0.1	<0.3
MW-6	10-10.5	04/10/91	<1	<0.005	0.007	<0.005	<0.005
MW-7	5.5-6	04/10/91	2,600	18	170	78	350
SB-1	3.7-4.2	06/03/91	980	9.0	36	19	83
SB-3	4.5-5	06/03/91	1,700	<0.5*	<1*	<1.2**	8.2
SB-3	5.5-5.9	06/03/91	170	<0.5*	<1*	<1*	1.1
SB-4	4-4.5	06/03/91	290	1.0	<1*	4	18

<sup>1</sup> milligrams per kilogram

<sup>2</sup> attempts to advance borings SB-2 and SB-5 were unsuccessful; no samples were obtained from SB-2 and SB-5

<sup>3</sup> total petroleum hydrocarbons as gasoline

\* raised method reporting limit due to high analyte concentration requiring sample dilution

\*\* raised method reporting limit due to matrix interface

EMCON Associates  
Project 0361-068.06  
12/30/92

Table 1  
Soil and Ground-water Analytical Results  
(parts per million)

Sample Designation	SOIL									GROUND WATER SB-8
	SB-5 4.0 - 4.5'	SB-5 5.0 - 5.5'	SB-6 3.1 - 3.6'	SB-6 6.3 - 6.8'	SB-7 2.6 - 3.1'	SB-7 5.3 - 5.8'	SB-8 2.6 - 3.1'	SB-9 3.0 - 3.5'	SB-9 6.1 - 6.6'	
Sample Date	11/24/92	11/24/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92
TPH as gasoline	1.6	3.9	<1.0	<1.0	<1.0	<1.0	16	490	1,400	1.3
Benzene	<0.0050	0.0064	<0.0050	<0.0050	<0.0050	<0.0050	1.5	2.0	3.0	0.30
Toluene	0.0061	0.016	<0.0050	<0.0050	<0.0050	<0.0050	0.032	3.5	4.1	<0.0050
Ethylbenzene	<0.0050	0.0063	<0.0050	<0.0050	<0.0050	<0.0050	2.1	7.6	19	0.12
Total xylenes	0.0069	0.021	<0.0050	<0.0050	<0.0050	<0.0050	0.27	34	63	0.28
TPH as diesel	<1.0	11	NR							
Total oil and grease	<10	<10	NR							
Cadmium	<0.25	<0.25	NR							
Chromium	82	54	NR							
Lead	68	22	NR							
Zinc	100	53	NR							
Volatile Organic Compounds	ND	ND	NR							
Semivolatile Organic Compounds	ND	ND	NR							

TPH = Total petroleum hydrocarbons  
ND = Not detected  
NR = Not required

### Ground-Water Samples

Sample Date	Sample ID	TPH as Gasoline	TPH as Diesel	MTBE	B	T	E	X	Lead (Pb)
		$\mu\text{g/L}$						$\text{mg/L}$	
03/23/99	Effl-1	ND	ND	5.4	ND	1.2	ND	2.1	NA
03/19/99	W-1	24,000	83,000 <sup>2</sup>	820	350	1,300	970	4,000	ND
03/17/99	S-1	6,200	ND	1,500	150	760	120	700	NA
	S-2	460,000	11,000	190,000	11,000	55,000	6,100	49,000	NA
	S-3	590,000 <sup>1</sup>	590,000 <sup>2</sup>	ND	ND	ND	ND	ND	NA

ND = Not detected above laboratory reporting limits.  
 NA = Not applicable.  
<sup>1</sup> = Chromatogram does not exhibit characteristic diesel pattern. Higher boiling point constituents of gasoline are present.  
<sup>2</sup> = Chromatogram exhibits a pattern characteristic of diesel. Gasoline residue is also present.

### Soil Samples

Sample Date	Sample ID	TPH as Gasoline	TPH as Diesel	MTBE	B	T	E	X	Lead (Pb)
		$\text{mg/Kg}$						$\text{mg/Kg}$	
03/26/99	Trench-E	ND	7.9	ND	ND	ND	ND	ND	NA
	Trench-N	ND	9.3	0.097	ND	ND	ND	0.024	NA
	Trench-W	1.0	ND	ND	ND	ND	ND	0.092	NA
	Trench-NW	80 <sup>1</sup>	850	ND	ND	6.0	4.5	9.4	NA
03/23/99	SP-3	380	37	2.8	1.2	3.6	4.3	17	7.0
	SP-4	330	ND	3.0	1.0	6.9	5.1	22	NA
	SW-8	310	45 <sup>1</sup>	2.9	1.2	1.7	5.2	5.4	NA
	SW-9	880	190 <sup>1</sup>	3.5	2.9	3.9	12	16	NA
	SW-10	400	74 <sup>1</sup>	2.2	2.4	3.1	7.5	23	NA
	SW-11	1,600	130 <sup>1</sup>	7.0	7.7	28	15	49	NA
	SW-12	860	200 <sup>1</sup>	1.6	1.9	4.4	11	33	NA
	SW-13	750	180 <sup>1</sup>	1.4	2.0	2.7	12	30	NA
	SW-14	160	140 <sup>1</sup>	2.3	2.1	1.7	4.0	12	NA
03/19/99	SW-1	1,100	31 <sup>1</sup>	5.3	5.2	12	6.6	30	NA
	SW-2	660	ND	ND	4.2	13	4.9	27	NA
	SW-3	290	36 <sup>1</sup>	1.7	1.5	1.5	0.79	6.7	4.2
	SW-4	3,300	47 <sup>1</sup>	12	17	64	45	150	NA
	SW-5	71	ND	2.5	ND	ND	0.35	0.62	NA
	SW-6	220	43 <sup>1</sup>	1.6	0.43	1.6	1.4	2.8	NA
	SW-7	90	ND	1.7	0.47	0.81	0.81	1.4	NA
	SP-1 Composite	120	ND	2.8	0.35	1.3	1.1	4.1	NA
	SP-2 Composite	200	ND	4.0	1.5	3.7	5.4	16	NA

Sample Date	Sample ID	TPH as Gasoline	TPH as Diesel	MTBE	B	T	E	X	Lead (Pb)
		mg/Kg							
03/18/99	P1-2.5	5.0	ND	0.079	0.120	0.018	0.029	0.075	NA
	P2-2.5	6.4	ND	0.140	0.220	0.023	0.036	0.087	NA
	P3-4.0	200	ND	7.7	1.4	1.4	0.92	3.5	NA
	PX3-6.0	3,500	84 <sup>1</sup>	45	23	19	21	57	5.4
	P4-3.5	540	87 <sup>1</sup>	2.4	2.5	6.0	3.1	22	NA
	P5-3.5	3.7	ND	ND	0.230	0.029	0.056	0.043	6.8
	P6-4.0	3.7	ND	ND	0.021	0.010	0.072	0.170	NA
	P7-4.0	10	34 <sup>1</sup>	3.2	0.35	0.60	0.41	1.4	NA
	P8-4.0	8.4	ND	0.160	0.046	0.056	0.043	0.059	NA
	P9-4.0	4.7	ND	0.210	0.033	0.020	0.039	0.150	NA
	P10-3.5	5.5	ND	0.062	0.140	0.032	0.110	0.043	NA
	P11-3.5	250	ND	2.1	0.91	1.8	0.73	2.5	NA
	P12-4.5	700	71 <sup>1</sup>	6.1	3.3	4.0	3.8	9.9	13
	P13-4.0	440	51 <sup>1</sup>	3.4	2.6	2.1	1.9	6.7	NA

ND = Not detected above laboratory reporting limits.  
 NA = Not applicable.  
<sup>1</sup> = Chromatogram does not exhibit characteristic diesel pattern. Higher boiling point constituents of gasoline are present.  
<sup>2</sup> = Chromatogram exhibits a pattern characteristic of diesel. Gasoline residue is also present.

**ATTACHMENT C**

**FIELD PROTOCOL**

## FIELD PROTOCOL

### Site Safety Plan

Field work is performed by ERI personnel in accordance with a site safety plan (SSP) developed for the site. The SSP describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The SSP is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the SSP before work begins. A copy of the SSP is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist acts as the Site Safety Officer.

### Soil Borings and Sampling

Prior to the advancement of the soil borings, ERI will acquire necessary permits from the appropriate agencies. ERI will also contact Underground Service Alert (USA) and a private underground utility locator before drilling to help locate public utility lines at the site. ERI will clear the proposed location to a depth of approximately 4 feet before drilling to reduce the risk of damaging underground structures.

The borings will be advanced using direct-push technology. Samples will be continuously collected. The earth materials in the boring will be identified using visual and manual methods, and classified as drilling progresses using the Unified Soil Classification System. Equipment will be steam-cleaned before use to minimize the possibility of crosshole contamination. The rinsate will be containerized and stored on site. ERI will coordinate with Redwood for appropriate disposal of the rinsate.

Soil samples will be monitored with a photo-ionization detector (PID), which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. Groundwater samples will be collected from each of the off-site borings.

Select soil samples for laboratory analysis will be collected using methods consistent with Environmental Protection Agency (EPA) Method 5035. Additional samples will be sealed promptly with Teflon® tape and plastic caps. The samples will be labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated by the geologist in the field, updated throughout handling all soil and groundwater samples, and sent with the samples to the laboratory. Copies of these records will be in the final report.

Cuttings generated during drilling will be placed on plastic sheeting and covered and left at the site. ERI will coordinate with Redwood for the soil to be removed to an appropriate disposal facility.

**ATTACHMENT D**

**PERMIT**

## COUNTY OF SONOMA - DEPARTMENT OF HEALTH SERVICES

ENVIRONMENTAL HEALTH DIVISION

1000 Olympic Drive, Suite D, Santa Rosa, CA 95403-2002

(707) 565-2600, www.sonoma-county.org

## PERMITTING FOR MONITORING WELL PERMITS

Regional Board Lead Environmental Assessment

Well type: [ ] Monitoring well [ ] Recovery extraction well [ ] Boring [ ] Injection well [ ] Debris [ ] Environmental assessment  
 [ ] Soil Gas Survey [ ] Drill cuttings [ ] Air sampling/venting [ ] Remediation well [ ] Other

Well depth \_\_\_\_\_ Boring depth \_\_\_\_\_

On-site well/boring: [ ] ID# 131 through 137

[ ] On-site well/boring: [ ] ID# \_\_\_\_\_

[ ] In illegal right-of-way/on-site well address/encroachment permit

On-site Address: 257 College Ave.

Facility Name: Mission Care Center

On-site Owner: [ ] Carl R. Cenell

Street: 59 Mission Circle

City: Santa Rosa

Phone: (707) 579-9274

State: CA Zip: 95404

Responsible Party: [ ] McDonald Remodeling &amp; Supply

Street: 4398 Picomont Ave. #120

City: Petaluma

Phone: (707) 547-0196

State: CA Zip: 94954

Consultant: [ ] McDonald Remodeling &amp; Supply

Street: 4398 Picomont Ave. #120

City: Petaluma

Phone: (707) 547-0196

State: CA Zip: 94954

License #: type: AC 10-611303

Drilling Contractor: Grego Drilling Company

Street: 930 Howe Road

City: Martinez

Phone: (925) 373-5800

State: CA Zip: 94553

CSC license#: 185165-C57

Type of work: [ ] Initial investigation [ ] # Wells: [ ] Subsequent investigation [ ] # Wells: [ ] Destruction [ ] # Wells:

Groundwater investigation due to [ ] Underground tank [ ] Surface impoundment [ ] Environmental assessment

[ ] Surface disposal practice—specify involved industry

[ ] Other

Perforated intervals \_\_\_\_\_

Chemical constituents \_\_\_\_\_

Disposal method for soil cutting: [ ] Tiling [ ] Reclaim [ ] Other

Disposal method for development water

Drilling method: [ ] Direct-Phasing

Method of drill-equip. site containment: [ ] Tarp [ ] Shrub [ ] Other

Destruction/well abandonment method: \_\_\_\_\_

Summarized plan of wells: [ ] No [ ] Oil/sewer or septic lines

[ ] Well to be constructed within 100 feet of a septic tank or leachfield [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 100 feet of any sanitary sewer line [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 25 feet of any private utility service line [ ] Yes [ ] No

[ ] 25' from

[ ] Well to be constructed within 100 feet of any public utility service line [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 100 feet of any building [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 100 feet of any driveway [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 100 feet of any paved surface [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 100 feet of any concrete structure [ ] Yes [ ] No

[ ] 100' from

[ ] Well to be constructed within 100 feet of any paved surface [ ] Yes [ ] No

[ ] 100' from

Address \_\_\_\_\_  
 Telephone \_\_\_\_\_  
 Permit No. \_\_\_\_\_

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will call the Office of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days and a copy of the Summary Report including sample results, should be received by this department within 90 days in order to obtain initial approval on this well permit. I acknowledge that the application will become a permit only after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

  
 Signature of Well Driller - No Proxies

Insurance Carrier \_\_\_\_\_ Expiration Date \_\_\_\_\_

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Drill site attached plot plan the exact location of well(s) with respect to the following: fences, property lines, water bodies or water courses, drainage ditches, roads, existing wells, sewer main and laterals, and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Comments and/or Requests:

FOR OFFICE USE ONLY - ENVIRONMENTAL HEALTH DIVISION

Permit approved by \_\_\_\_\_ Date \_\_\_\_\_

Permit approved by \_\_\_\_\_ Date \_\_\_\_\_

Permit approved by \_\_\_\_\_ Date \_\_\_\_\_

**ATTACHMENT E**

**UNIFIED SOIL CLASSIFICATION SYSTEM,  
SYMBOL KEY, AND BORING LOGS**

# UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION	MAJOR DIVISIONS		LTR	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines	FINE GRAINED SOILS	SILTS AND CLAYS LL<50	ML	Inorganic silts and very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		GM	Silty gravels, gravel-sand-clay mixtures			OL	Organic silts and organic silt-clays of low plasticity
		GC	Clayey gravels, gravel-sand-clay mixtures			MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines		SILTS AND CLAYS LL>50	CH	Inorganic clays of high plasticity, fat clays
		SP	Poorly-graded sands or gravelly sands, little or no fines			OH	Organic clays of medium to high plasticity
		SM	Silty sands, sand-silt mixtures			Pt	Peat and other highly organic soils
		SC	Clayey sands, sand-clay mixtures	HIGHLY ORGANIC SOILS			

## SAMPLE CONDITION



NO RECOVERY



SAMPLED INTERVAL



DESCRIBED SAMPLE



PRESERVED SAMPLE



GROUNDWATER LEVEL  
OBSERVED FROM FIRST WET  
SOIL SAMPLE IN BORING



STATIC GROUNDWATER LEVEL

OVM

ORGANIC VAPOR METER READING  
IN PARTS PER MILLION BY VOLUME

PID

PHOTO-IONIZATION DETECTOR READING  
IN PARTS PER MILLION BY VOLUME

BLOW/FT. REPRESENTS THE NUMBER OF BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE THE SAMPLER THROUGH THE LAST 12 INCHES OF AN 18-INCH OR 24-INCH PENETRATION.



## WELL DESIGN

SAND PACK



BENTONITE ANNULAR SEAL



NEAT CEMENT ANNULAR SEAL



BLANK CASING



SLOTTED CASING



NOT RECORDED



NOT ANALYZED

DASHED LINES SEPARATING UNITS ON THE LOG  
REPRESENT APPROXIMATE BOUNDARIES ONLY.  
ACTUAL BOUNDARIES MAY BE GRADUAL. LOGS  
REPRESENT SUBSURFACE CONDITIONS AT THE  
BORING LOCATION AT THE TIME OF DRILLING  
ONLY.



## **UNIFIED SOIL CLASSIFICATION SYSTEM AND LOG OF BORINGS SYMBOL KEY**

FORMER MOBIL SERVICE STATION SR-OSA  
257 College Avenue  
Santa Rosa, California

## ATTACHMENT

E

PROJECT	2592
---------	------

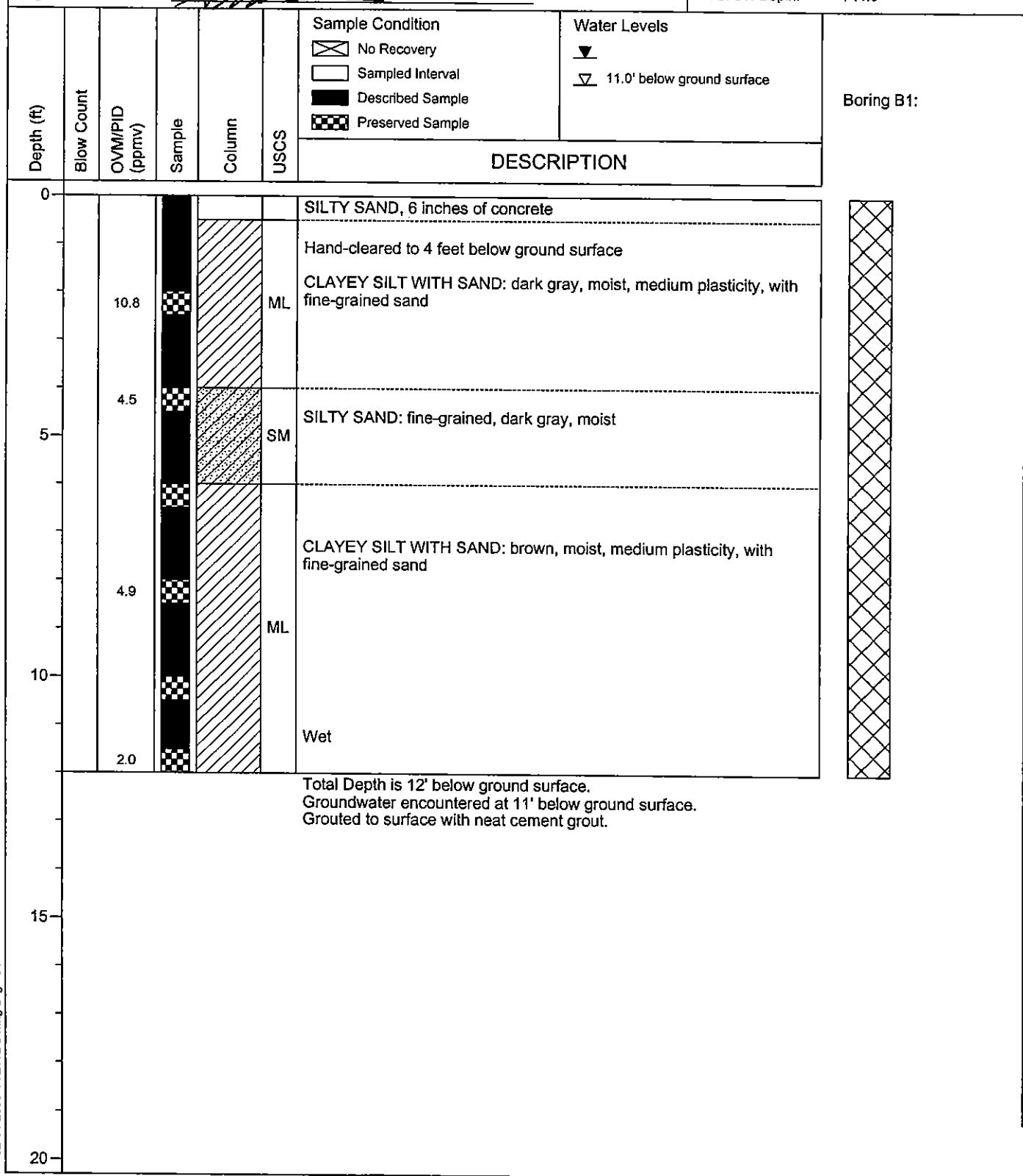


## BORING LOG B1

(Page 1 of 1)

Project No: : 259214X  
 Site: : Former Mobil Station SR-OSA, 257 College Ave, Santa Rosa, CA  
 Logged By: : Lyz Cullmann  
 Reviewed By: : Geoffrey Waterhouse, R.G. 5019  
 Signature: : *[Handwritten signature]*

Date Drilled: : 1/06/05  
 Drilling Co.: : Gregg Drilling Company  
 Drilling Method: : Direct Push  
 Sampling Method: : Continuous Core  
 Borehole Diameter: : 4"  
 Casing Diameter: : NA  
 Location N-S : 95' north of College Avenue  
 Location E-W : 60' west of Morgan Street  
 Total Depth: : 12' bgs  
 First GW Depth: : 11.0'



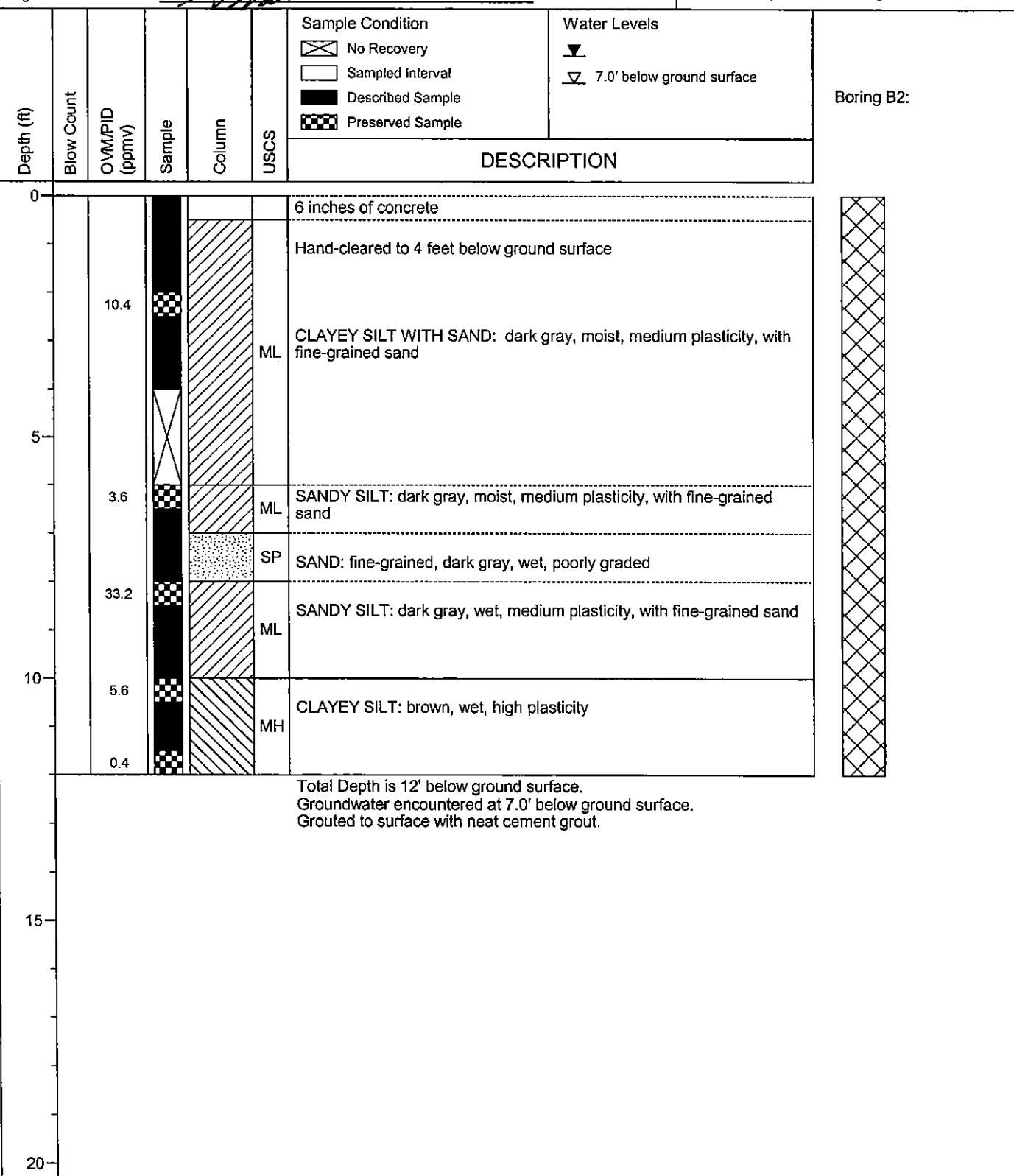


## BORING LOG B2

(Page 1 of 1)

Project No: : 259214X  
 Site: : Former Mobil Station SR-OSA, 257 College Ave, Santa Rosa, CA  
 Logged By: : Lyz Cullmann  
 Reviewed By: : Geoffrey Waterhouse, R.G. 5019  
 Signature: : *[Signature]*

Date Drilled: : 1/06/05  
 Drilling Co.: : Gregg Drilling Company  
 Drilling Method: : Direct Push  
 Sampling Method: : Continuous Core  
 Borehole Diameter: : 4"  
 Casing Diameter: : NA  
 Location N-S : 14' south of n.edge of lot  
 Location E-W : 26' west of Morgan Street  
 Total Depth: : 12' bgs  
 First GW Depth: : 7.0' bgs



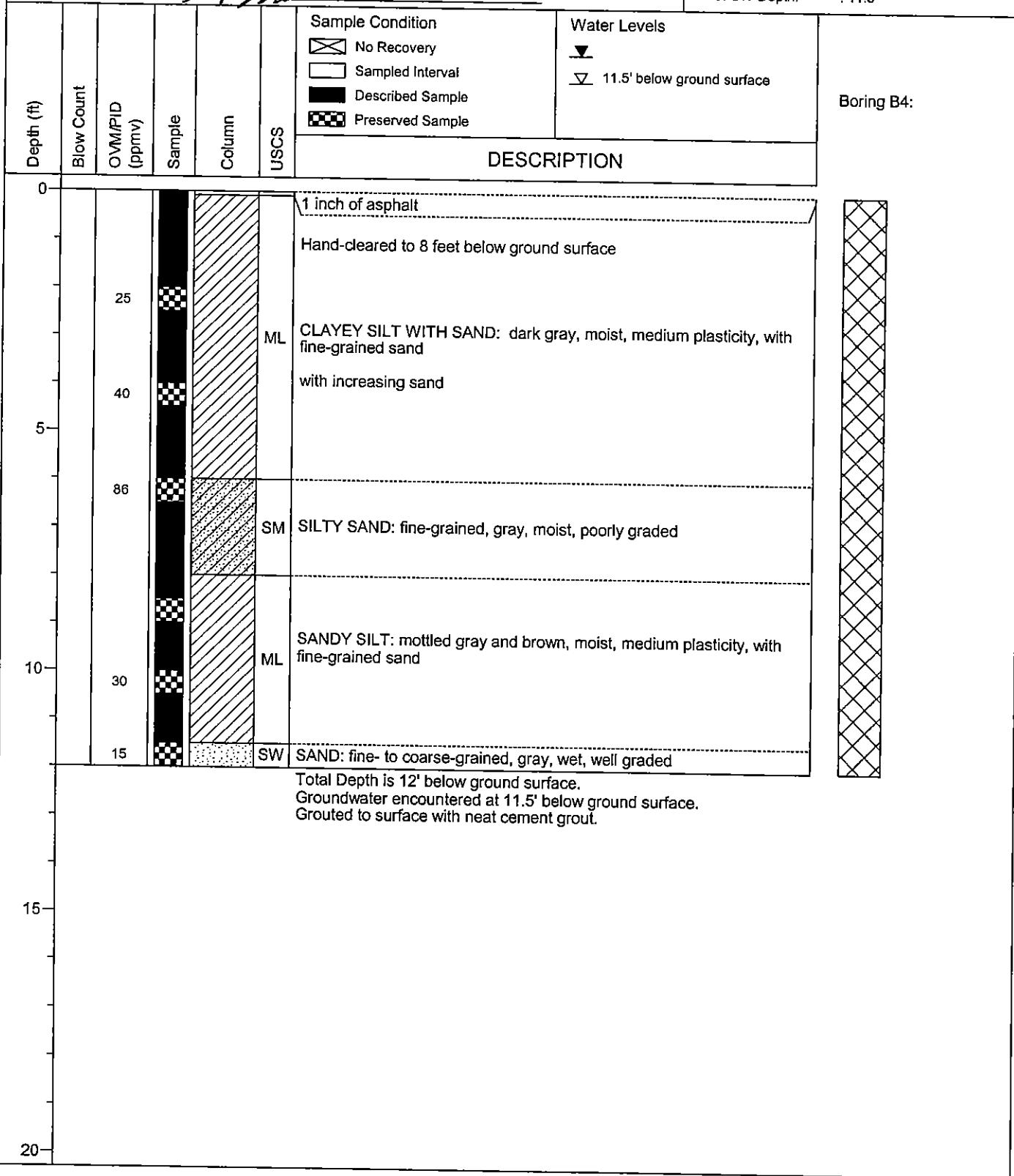


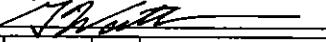
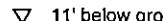
## BORING LOG B4

(Page 1 of 1)

Project No: : 259214X  
 Site: : Former Mobil Station SR-OSA, 257 College Ave, Santa Rosa, CA  
 Logged By: : Lyz Cullmann  
 Reviewed By: : Geoffrey Waterhouse, R.G. 5019  
 Signature: : *[Signature]*

Date Drilled: : 1/06/05  
 Drilling Co.: : Gregg Drilling Company  
 Drilling Method: : Direct Push  
 Sampling Method: : Continuous Core  
 Borehole Diameter: : 4"  
 Casing Diameter: : NA  
 Location N-S : 60' north of College Avenue  
 Location E-W : 130' west of Morgan Street  
 Total Depth: : 12' bgs  
 First GW Depth: : 11.5'



						<b>BORING LOG B5</b> (Page 1 of 1)			
Project No: : 259214X Site: : Former Mobil Station SR-OSA, 257 College Ave, Santa Rosa, CA Logged By: : Lyz Cullmann Reviewed By: : Geoffrey Waterhouse, R.G. 5019 Signature: : 						Date Drilled: : 1/06/05 Drilling Co.: : Gregg Drilling Company Drilling Method: : Direct Push Sampling Method: : Continuous Core Borehole Diameter: : 4" Casing Diameter: : NA Location N-S : 40' north of College Avenue Location E-W : 155' west of Morgan Street Total Depth: : 12' bgs First GW Depth: : 11'			
Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	Sample Condition	Water Levels	Boring B5:	
						   	  11' below ground surface		
DESCRIPTION									
0						1 inch of asphalt			
						Hand-cleared to 4 feet below ground surface			
25					ML	CLAYEY SILT WITH SAND: black, moist, medium plasticity, with fine-grained sand			
40					SM	SILTY SAND: fine-grained, gray, moist, poorly graded			
5					ML	SANDY SILT: mottled gray brown, moist, medium plasticity, with fine-grained sand			
95					SW	SAND: fine- to coarse-grained, gray, saturated, well graded			
89									
10									
20									
40									
Total Depth is 12' below ground surface. Groundwater at 11' below ground surface. Grouted to surface with neat cement grout.									
15									
20									

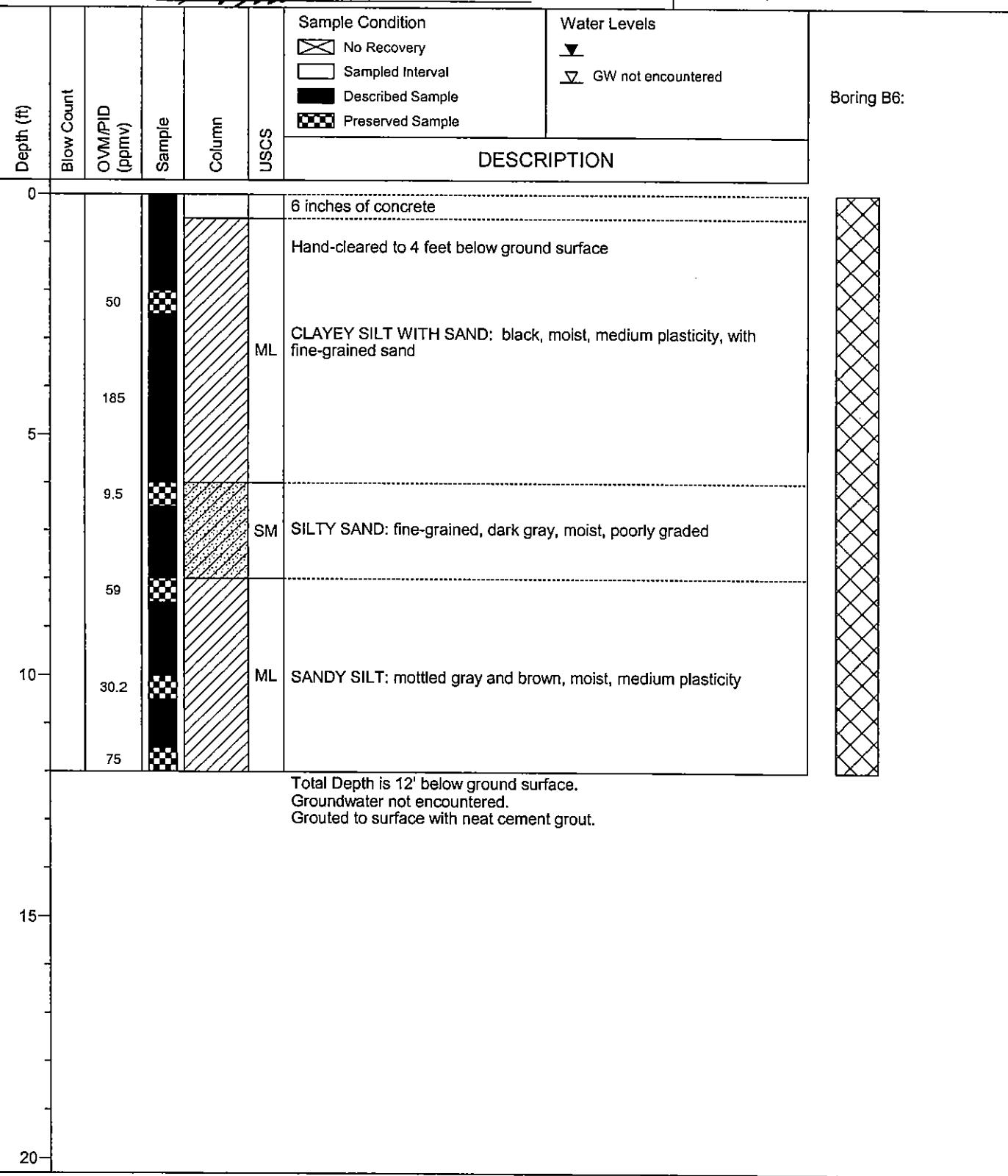


## BORING LOG B6

(Page 1 of 1)

Project No: : 259214X  
Site: : Former Mobil Station SR-OSA, 257 College Ave, Santa Rosa, CA  
Logged By: : Lyz Cullmann  
Reviewed By: : Geoffrey Waterhouse, R.G. 5019  
Signature: : *[Handwritten signature]*

Date Drilled: : 1/06/05  
Drilling Co.: : Gregg Drilling Company  
Drilling Method: : Direct Push  
Sampling Method: : Continuous Core  
Borehole Diameter: : 4"  
Casing Diameter: : NA  
Location N-S : 45' north of College Avenue  
Location E-W : 195' west of Morgan Street  
Total Depth: : 12' bgs  
First GW Depth: : GW not encountered



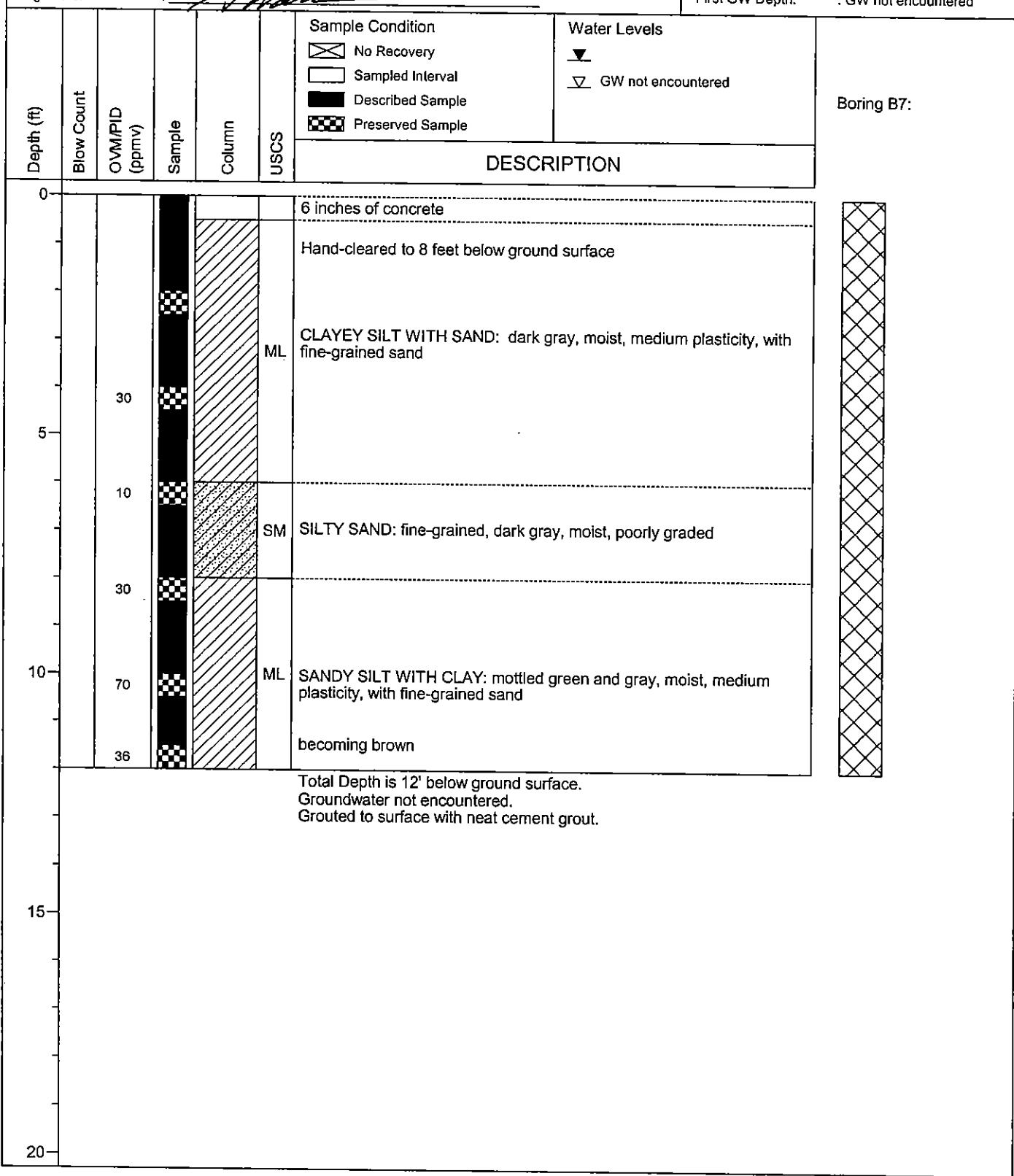


## BORING LOG B7

(Page 1 of 1)

Project No: : 259214X  
 Site: : Former Mobil Station SR-OSA, 257 College Ave, Santa Rosa, CA  
 Logged By: : Lyz Cullmann  
 Reviewed By: : Geoffrey Waterhouse, R.G. 5019  
 Signature: : *[Signature]*

Date Drilled: : 1/06/05  
 Drilling Co.: : Gregg Drilling Company  
 Drilling Method: : Direct Push  
 Sampling Method: : Continuous Core  
 Borehole Diameter: : 4"  
 Casing Diameter: : NA  
 Location N-S : 90' north of College Avenue  
 Location E-W : 175' west of Morgan Street  
 Total Depth: : 12' bgs  
 First GW Depth: : GW not encountered



**ATTACHMENT F**

**LABORATORY ANALYSIS REPORTS  
AND CHAIN-OF-CUSTODY RECORDS**

# TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

1/15/05

RECEIVED  
JAN 24 2005

BY: \_\_\_\_\_

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL SR-OSA  
Project Number: .  
Laboratory Project Number: 402405.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Page 1 Collection Date
S-2-B1	05-A2478	1/ 6/05
S-4-B1	05-A2479	1/ 6/05
S-8-B1	05-A2480	1/ 6/05
S-11.5-B1	05-A2481	1/ 6/05
S-2-B2	05-A2482	1/ 6/05
S-6-B2	05-A2483	1/ 6/05
S-8-B2	05-A2484	1/ 6/05
S-10-B2	05-A2485	1/ 6/05
S-11.5-B2	05-A2486	1/ 6/05
S-2-B4	05-A2487	1/ 6/05
S-4-B4	05-A2488	1/ 6/05
S-6-B4	05-A2489	1/ 6/05
S-8.5-B4	05-A2490	1/ 6/05
S-10-B4	05-A2491	1/ 6/05
S-11.5-B4	05-A2492	1/ 6/05
S-2-B5	05-A2493	1/ 6/05

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

Sample Identification	Lab Number	Page 2 Collection Date
S-4-B5	05-A2494	1/ 6/05
S-6-B5	05-A2495	1/ 6/05
S-8-B5	05-A2496	1/ 6/05
S-10-B5	05-A2497	1/ 6/05
S-11.5-B5	05-A2498	1/ 6/05
S-2-B6	05-A2499	1/ 6/05
S-6-B6	05-A2500	1/ 6/05
S-8-B6	05-A2501	1/ 6/05
S-10-B6	05-A2502	1/ 6/05
S-12-B6	05-A2503	1/ 6/05
S-2-B7	05-A2504	1/ 6/05
S-4-B7	05-A2505	1/ 6/05
S-6-B7	05-A2506	1/ 6/05
S-8-B7	05-A2507	1/ 6/05
S-10-B7	05-A2508	1/ 6/05
S-11.5-B7	05-A2509	1/ 6/05

These results relate only to the items tested.  
 This report shall not be reproduced except in full and with  
 permission of the laboratory.

Report Approved By:

Report Date: 1/15/05

Johnny A. Mitchell, Lab Director  
 Michael H. Dunn, M.S., Technical Director  
 Pamela A. Langford, Technical Services  
 Eric S. Smith, QA/QC Director  
 Sandra McMillin, Technical Services

Gail A. Lage, Technical Services  
 Glenn L. Norton, Technical Services  
 Kelly S. Comstock, Technical Services  
 Roxanne L. Connor, Technical Services

Laboratory Certification Number: 01168CA

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800-765-0980 • 615-726-3404 FAX

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2478  
Sample ID: S-2-B1  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 9:45  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis		Analyst	Method	Batch
					Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	80.0	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
--------------	------	---	--	-----	---------	-------	-----------	-----	------

### \*ORGANIC PARAMETERS\*

**Benzene	0.0837	mg/kg	0.0010	1.0	1/11/05	21:30	D. Otero	8021B	323
**Ethylbenzene	0.0476	mg/kg	0.0010	1.0	1/11/05	21:30	D. Otero	8021B	323
**Toluene	0.0212	mg/kg	0.0010	1.0	1/11/05	21:30	D. Otero	8021B	323
**Xylenes, total	0.0839	mg/kg	0.0030	1.0	1/11/05	21:30	D. Otero	8021B	323
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	1/11/05	21:30	D. Otero	8015B	323
**TPH (Diesel Range)	ND	mg/kg	9.92	1.0	1/11/05	16:51	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0012	1.0	1/12/05	17:06	J. Adams	8260B	586
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH/DRO	25.2 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	8.34 g	5.0 ml	1/ 6/05	9:45	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2478  
Sample ID: S-2-B1  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		10.40 g	10.0 ml	1/ 6/05	9:45	D. Otero	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	134. #	63. - 127.
TPH Hi Surr., o-Terphenyl	89.	35. - 135.
VOA Surr, 1,2-DCAd4	71. #	72. - 134.
VOA Surr Toluene-d8	155. #	76. - 122.
VOA Surr, 4-BFB	122.	60. - 138.
VOA Surr, DBFM	91.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogates outside QC range. Sample volume insufficient to confirm.

BTEX/GRO surrogate recovery elevated due to sample matrix.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2479  
Sample ID: S-4-B1  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 10:30  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	83.6	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0062	mg/kg	0.0012	1.0	1/11/05	22:01	D. Otero	8021B	323
**Ethylbenzene	0.0012	mg/kg	0.0012	1.0	1/11/05	22:01	D. Otero	8021B	323
**Toluene	ND	mg/kg	0.0012	1.0	1/11/05	22:01	D. Otero	8021B	323
**Xylenes, total	0.0036	mg/kg	0.0036	1.0	1/11/05	22:01	D. Otero	8021B	323
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	1/11/05	22:01	D. Otero	8015B	323
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/11/05	17:07	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0010	1.0	1/13/05	17:07	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	9.80 g	5.0 ml	1/ 6/05	10:30	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2479  
Sample ID: S-4-B1  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	8.66 g	10.0 ml		1/ 6/05	10:30	D. Otero	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	108.	63. - 127.
TPH Hi Surr., o-Terphenyl	94.	35. - 135.
VOA Surr, 1,2-DCAd4	108.	72. - 134.
VOA Surr Toluene-d8	109.	76. - 122.
VOA Surr, 4-BFB	117.	60. - 138.
VOA Surr, DBFM	103.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2480  
Sample ID: S-8-B1  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 10:35  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	78.1	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0267	mg/kg	0.0011	1.0	1/11/05	22:33	D. Otero	8021B	323
**Ethylbenzene	0.0195	mg/kg	0.0011	1.0	1/11/05	22:33	D. Otero	8021B	323
**Toluene	0.0139	mg/kg	0.0011	1.0	1/11/05	22:33	D. Otero	8021B	323
**Xylenes, total	0.0269	mg/kg	0.0033	1.0	1/11/05	22:33	D. Otero	8021B	323
**TPH (Gasoline Range)	15.1	mg/kg	5.54	1.0	1/11/05	22:33	D. Otero	8015B	329
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	1/11/05	17:23	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0011	1.0	1/13/05	17:26	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	9.02 g	5.0 ml	1/ 6/05	10:35	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2480  
Sample ID: S-8-B1  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	9.02 g	10.0 ml		1/ 6/05	10:35	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	104.	63. - 127.
TPH Hi Surr., o-Terphenyl	90.	35. - 135.
VOA Surr, 1,2-DCA <sub>4</sub>	101.	72. - 134.
VOA Surr Toluene-d <sub>8</sub>	158. #	76. - 122.
VOA Surr, 4-BFB	147. #	60. - 138.
VOA Surr, DBFM	104.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogates outside QC range due to sample matrix.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2481  
Sample ID: S-11.5-B1  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 10:40  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	73.0	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	ND	mg/kg	0.0011	1.0	1/11/05	23:04	D. Otero	8021B	323
**Ethylbenzene	ND	mg/kg	0.0011	1.0	1/11/05	23:04	D. Otero	8021B	323
**Toluene	ND	mg/kg	0.0011	1.0	1/11/05	23:04	D. Otero	8021B	323
**Xylenes, total	ND	mg/kg	0.0033	1.0	1/11/05	23:04	D. Otero	8021B	323
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	1/11/05	23:04	D. Otero	8021B	323
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/11/05	17:39	M. Jarrett	8015B	8320
<b>*VOLATILE ORGANICS*</b>									
**Methyl-t-butyl ether	ND	mg/kg	0.0011	1.0	1/12/05	18:05	J. Adams	8260B	586

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	8.92 g	5.0 ml	1/ 6/05	15:40	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2481  
Sample ID: S-11.5-B1  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		9.00 g	10.0 ml	1/ 6/05	10:40	D. Otero	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	102.	63. - 127.
TPH Hi Surr., o-Terphenyl	90.	35. - 135.
VOA Surr, 1,2-DCAd4	63. #	72. - 134.
VOA Surr Toluene-d8	107.	76. - 122.
VOA Surr, 4-BFB	100.	60. - 138.
VOA Surr, DBFM	83.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogate outside QC range.

Sample volume insufficient to confirm.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2482  
Sample ID: S-2-B2  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 9:40  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

\*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	76.0	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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\*ORGANIC PARAMETERS\*

**Benzene	0.0136	mg/kg	0.0015	1.0	1/11/05	0:04	D. Otero	8021B	6255
**Ethylbenzene	0.0030	mg/kg	0.0015	1.0	1/11/05	0:04	D. Otero	8021B	6255
**Toluene	0.0136	mg/kg	0.0015	1.0	1/11/05	0:04	D. Otero	8021B	6255
**Xylenes, total	0.0212	mg/kg	0.0045	1.0	1/11/05	0:04	D. Otero	8021B	6255
**TPH (Gasoline Range)	ND	mg/kg	7.58	1.0	1/11/05	0:04	D. Otero	8021B	6255
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/11/05	17:55	M. Jarrett	8015B	6255
									8320

\*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0011	1.0	1/13/05	17:46	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

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Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
-----	-----	-----	-----	-----	-----	-----
EPH/DRO	25.0 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	9.01 g	5.0 ml	1/ 6/05	9:40	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2482  
Sample ID: S-2-B2  
Project:  
Page 2

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Sample Extraction Data

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Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	6.60 g	10.0 ml		1/ 6/05	9:40	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	104.	63. - 127.
TPH Hi Surr., o-Terphenyl	88.	35. - 135.
VOA Surr, 1,2-DCAd4	110.	72. - 134.
VOA Surr Toluene-d8	133. #	76. - 122.
VOA Surr, 4-BFB	121.	60. - 138.
VOA Surr, DBFM	105.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogate outside QC range due to sample matrix.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2483  
Sample ID: S-6-B2  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:00  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

\*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	79.8	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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\*ORGANIC PARAMETERS\*

**Benzene	0.0025	mg/kg	0.0016	1.0	1/11/05	0:36	D. Otero	8021B	6255
**Ethylbenzene	0.0025	mg/kg	0.0016	1.0	1/11/05	0:36	D. Otero	8021B	6255
**Toluene	ND	mg/kg	0.0016	1.0	1/11/05	0:36	D. Otero	8021B	6255
**Xylenes, total	0.0061	mg/kg	0.0048	1.0	1/11/05	0:36	D. Otero	8021B	6255
**TPH (Gasoline Range)	ND	mg/kg	8.22	1.0	1/11/05	0:36	D. Otero	8021B	6255
**TPH (Diesel Range)	ND	mg/kg	9.92	1.0	1/11/05	18:11	M. Jarrett	8015B	6255
									8320

\*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0015	1.0	1/12/05	18:45	J. Adams	8260B	586
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Silica Gel Cleanup performed for TPH-DRO analysis.

-----  
Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH/DRO	25.2 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.77 g	5.0 ml	1/ 6/05	11:00	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2483  
Sample ID: S-6-B2  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	6.08 g	10.0 ml		1/ 6/05	11:00	D. Otero	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	106.	63. - 127.
TPH Hi Surr., o-Terphenyl	96.	35. - 135.
VOA Surr, 1,2-DCAd4	65. #	72. - 134.
VOA Surr Toluene-d8	98.	76. ~ 122.
VOA Surr, 4-BFB	101.	60. - 138.
VOA Surr, DBFM	85.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogates outside QC range. Analysis the second time did not meet QC requirements.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2484  
Sample ID: S-8-B2  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:10  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	73.3	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0039	mg/kg	0.0015	1.0	1/11/05	1:07	D. Otero	8021B	6255
**Ethylbenzene	0.0324	mg/kg	0.0015	1.0	1/11/05	1:07	D. Otero	8021B	6255
**Toluene	0.0082	mg/kg	0.0015	1.0	1/11/05	1:07	D. Otero	8021B	6255
**Xylenes, total	0.0645	mg/kg	0.0045	1.0	1/11/05	1:07	D. Otero	8021B	6255
**TPH (Gasoline Range)	11.5	mg/kg	7.72	1.0	1/11/05	1:07	D. Otero	8015B	6255
**TPH (Diesel Range)	18.3	mg/kg	10.1	1.0	1/12/05	9:07	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0014	1.0	1/13/05	18:25	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.96 g	5.0 ml	1/ 6/05	11:10	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2484  
Sample ID: S-8-B2  
Project:  
Page 2

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	6.48 g	10.0 ml	1/ 6/05	11:10	D. Otero	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	104.	63. - 127.
TPH Hi Surr., o-Terphenyl	82.	35. - 135.
VOA Surr, 1,2-DCAd4	90.	72. - 134.
VOA Surr Toluene-d8	131. #	76. - 122.
VOA Surr, 4-BFB	202. #	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogates outside QC range due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2485  
Sample ID: S-10-B2  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:20  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	77.0	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0020	mg/kg	0.0014	1.0	1/11/05	1:39	D. Otero	8021B	6255
**Ethylbenzene	0.0081	mg/kg	0.0014	1.0	1/11/05	1:39	D. Otero	8021B	6255
**Toluene	0.0030	mg/kg	0.0014	1.0	1/11/05	1:39	D. Otero	8021B	6255
**K xylenes, total	0.0125	mg/kg	0.0042	1.0	1/11/05	1:39	D. Otero	8021B	6255
**TPH (Gasoline Range)	ND	mg/kg	7.11	1.0	1/11/05	1:39	D. Otero	8015B	6255
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	1/11/05	18:44	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0014	1.0	1/13/05	18:44	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	7.03 g	5.0 ml	1/ 6/05	11:20	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2485  
Sample ID: S-10-B2  
Project:  
Page 2

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Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
Wt/Vol						
BTX Prep	7.03 g	10.0 ml	1/ 6/05	11:20	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	105.	63. - 127.
TPH Hi Surr., o-Terphenyl	91.	35. - 135.
VOA Surr, 1,2-DCAd4	102.	72. - 134.
VOA Surr Toluene-d8	102.	76. - 122.
VOA Surr, 4-BFB	109.	60. - 138.
VOA Surr, DBFM	102.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2486  
Sample ID: S-11.5-B2  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:30  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	71.3	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	ND	mg/kg	0.0014	1.0	1/11/05	2:10	D. Otero	8021B	6255
**Ethylbenzene	ND	mg/kg	0.0014	1.0	1/11/05	2:10	D. Otero	8021B	6255
**Toluene	ND	mg/kg	0.0014	1.0	1/11/05	2:10	D. Otero	8021B	6255
**Xylenes, total	ND	mg/kg	0.0042	1.0	1/11/05	2:10	D. Otero	8021B	6255
**TPH (Gasoline Range)	ND	mg/kg	6.90	1.0	1/11/05	2:10	D. Otero	8021B	6255
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	1/11/05	19:00	M. Jarrett	8015B	6255
									8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0014	1.0	1/13/05	19:03	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	7.24 g	5.0 ml	1/ 6/05	11:30	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2486  
Sample ID: S-11.5-B2  
Project:  
Page 2

### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	7.25 g	10.0 ml		1/ 6/05	11:30	D. Otero	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	104.	63. - 127.
TPH Hi Surr., o-Terphenyl	85.	35. - 135.
VOA Surr, 1,2-DCAd4	99.	72. - 134.
VOA Surr Toluene-d8	103.	76. - 122.
VOA Surr, 4-BFB	100.	60. - 138.
VOA Surr, DBFM	96.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2487  
Sample ID: S-2-B4  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:12  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
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\*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	81.0	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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\*ORGANIC PARAMETERS\*

**Benzene	2.85	mg/kg	0.0660	50.0	1/11/05	23:35	D. Otero	8021B	323
**Ethylbenzene	0.162	mg/kg	0.0013	1.0	1/11/05	2:41	D. Otero	8021B	6255
**Toluene	0.0091	mg/kg	0.0013	1.0	1/11/05	2:41	D. Otero	8021B	6255
**Xylenes, total	0.0381	mg/kg	0.0039	1.0	1/11/05	2:41	D. Otero	8021B	6255
**TPH (Gasoline Range)	13.3	mg/kg	6.62	1.0	1/11/05	2:41	D. Otero	8015B	6255
**TPH (Diesel Range)	11.8	mg/kg	10.1	1.0	1/12/05	9:23	M. Jarrett	8015B	8320

\*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0010	1.0	1/13/05	19:23	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

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Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
-----	-----	-----	-----	-----	-----	-----
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	10.5 g	5.0 ml	1/ 6/05	11:12	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2487  
Sample ID: S-2-B4  
Project:  
Page 2

### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		7.55 g	10.0 ml	1/ 6/05	11:12	D. Otero	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	110.	63. - 127.
TPH Hi Surr., o-Terphenyl	85.	35. - 135.
VOA Surr, 1,2-DCAd4	122.	72. - 134.
VOA Surr Toluene-d8	160. #	76. - 122.
VOA Surr, 4-BFB	135.	60. - 138.
VOA Surr, DBFM	113.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogate outside QC range due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2488  
Sample ID: S-4-B4  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:30  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	79.4	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	2.20	mg/kg	0.0600	50.0	1/12/05	0:07	D. Otero	8021B	323
**Ethylbenzene	1.23	mg/kg	0.0600	50.0	1/12/05	0:07	D. Otero	8021B	323
**Toluene	0.222	mg/kg	0.0600	50.0	1/12/05	0:07	D. Otero	8021B	323
**Xylenes, total	0.246	mg/kg	0.180	50.0	1/12/05	0:07	D. Otero	8021B	323
**TPH (Gasoline Range)	42.9	mg/kg	6.00	50.0	1/12/05	0:07	D. Otero	8015B	323
**TPH (Diesel Range)	ND	mg/kg	9.92	1.0	1/11/05	19:32	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0038	mg/kg	0.0011	1.0	1/13/05	19:42	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted Wt/Vol	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.2 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	9.06 g	5.0 ml	1/ 6/05	11:30	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2488  
Sample ID: S-4-B4  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	8.33 g	10.0 ml		1/ 6/05	11:30	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	110.	63. - 127.
TPH Hi Surr., o-Terphenyl	101.	35. - 135.
VOA Surr, 1,2-DCAd4	122.	72. - 134.
VOA Surr Toluene-d8	126. #	76. - 122.
VOA Surr, 4-BFB	118.	60. - 138.
VOA Surr, DBFM	106.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogate outside QC range due to sample matrix.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2489  
Sample ID: S-6-B4  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 11:40  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	75.8	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	2.80	mg/kg	0.350	200.	1/12/05	0:38	D. Otero	8021B	323
**Ethylbenzene	8.69	mg/kg	0.350	200.	1/12/05	0:38	D. Otero	8021B	323
**Toluene	1.16	mg/kg	0.350	200.	1/12/05	0:38	D. Otero	8021B	323
**Xylenes, total	1.79	mg/kg	1.05	200.	1/12/05	0:38	D. Otero	8021B	323
**TPH (Gasoline Range)	202.	mg/kg	35.0	200.	1/12/05	0:38	D. Otero	8015B	323
**TPH (Diesel Range)	19.5	mg/kg	10.1	1.0	1/12/05	9:40	M.Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0455	50.0	1/13/05	20:01	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	11.0 g	5.0 ml	1/ 6/05	11:40	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2489  
Sample ID: S-6-B4  
Project:  
Page 2

### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.71 g	10.0 ml		1/ 6/05	11:40	D. Otero	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	109.	63. - 127.
TPH Hi Surr., o-Terphenyl	75.	35. - 135.
VOA Surr, 1,2-DCAd4	93.	72. - 134.
VOA Surr Toluene-d8	106.	76. - 122.
VOA Surr, 4-BFB	99.	60. - 138.
VOA Surr, DBFM	94.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 PQL's elevated due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2490  
Sample ID: S-8.5-B4  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 12:25  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	78.2	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	1.75	mg/kg	0.153	100.	1/12/05	1:10	D. Otero	8021B	323
**Ethylbenzene	5.51	mg/kg	0.153	100.	1/12/05	1:10	D. Otero	8021B	323
**Toluene	0.490	mg/kg	0.153	100.	1/12/05	1:10	D. Otero	8021B	323
**Xylenes, total	2.56	mg/kg	0.460	100.	1/12/05	1:10	D. Otero	8021B	323
**TPH (Gasoline Range)	102.	mg/kg	15.3	100.	1/12/05	1:10	D. Otero	8015B	323
**TPH (Diesel Range)	12.7	mg/kg	10.0	1.0	1/12/05	9:56	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0785	50.0	1/13/05	20:20	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.37 g	5.0 ml	1/ 6/05	12:25	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2490  
Sample ID: S-8.5-B4  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	6.53 g	10.0 ml	1/ 6/05	12:25	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	108.	63. - 127.
TPH Hi Surr., o-Terphenyl	81.	35. - 135.
VOA Surr, 1,2-DCAd4	95.	72. - 134.
VOA Surr Toluene-d8	94.	76. - 122.
VOA Surr, 4-BFB	93.	60. - 138.
VOA Surr, DBFM	98.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 PQL's elevated due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2491  
Sample ID: S-10-B4  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 12:35  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
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### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	78.0	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	1.38	mg/kg	0.0799	50.0	1/12/05	1:41	D. Otero	8021B	323
**Ethylbenzene	3.95	mg/kg	0.0799	50.0	1/12/05	1:41	D. Otero	8021B	323
**Toluene	0.240	mg/kg	0.0799	50.0	1/12/05	1:41	D. Otero	8021B	323
**Xylenes, total	0.335	mg/kg	0.240	50.0	1/12/05	1:41	D. Otero	8021B	323
**TPH (Gasoline Range)	45.9	mg/kg	7.99	50.0	1/12/05	1:41	D. Otero	8015B	323
**TPH (Diesel Range)	13.6	mg/kg	9.92	1.0	1/12/05	10:13	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0013	1.0	1/13/05	20:40	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
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EPH/DRO	25.2 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	7.49 g	5.0 ml	1/ 6/05	12:35	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2491  
Sample ID: S-10-B4  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	6.26 g	10.0 ml		1/ 6/05	12:35	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	107.	63. - 127.
TPH Hi Surr., o-Terphenyl	83.	35. - 135.
VOA Surr, 1,2-DCAd4	116.	72. - 134.
VOA Surr Toluene-d8	127. #	76. - 122.
VOA Surr, 4-BFB	115.	60. - 138.
VOA Surr, DBFM	112.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogate outside QC range due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2492  
Sample ID: S-11.5-B4  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 12:45  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Method	Batch
			Limit	Factor	Date	Time		

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	82.7	%	1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0435	mg/kg	0.0015	1.0	1/12/05	2:13	D. Otero	8021B	323
**Ethylbenzene	0.0089	mg/kg	0.0015	1.0	1/12/05	2:13	D. Otero	8021B	323
**Toluene	ND	mg/kg	0.0015	1.0	1/12/05	2:13	D. Otero	8021B	323
**Xylenes, total	ND	mg/kg	0.0044	1.0	1/12/05	2:13	D. Otero	8021B	323
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	1/12/05	2:13	D. Otero	8015B	323
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/11/05	21:08	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0014	mg/kg	0.0014	1.0	1/13/05	20:59	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	7.39 g	5.0 ml	1/ 6/05	12:45	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2492  
Sample ID: S-11.5-B4  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	6.89 g	10.0 ml		1/ 6/05	12:45	D. Otero	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	109.	63. - 127.
TPH Hi Surr., o-Terphenyl	91.	35. - 135.
VOA Surr, 1,2-DCAd4	103.	72. - 134.
VOA Surr Toluene-d8	104.	76. - 122.
VOA Surr, 4-BFB	104.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2493  
Sample ID: S-2-B5  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 12:45  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	78.8	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	5.11	mg/kg	0.106	50.0	1/12/05	16:39	D. Otero	8021B	331
**Ethylbenzene	0.224	mg/kg	0.0021	1.0	1/11/05	5:50	D. Otero	8021B	6255
**Toluene	0.0114	mg/kg	0.0021	1.0	1/11/05	5:50	D. Otero	8021B	6255
**Xylenes, total	0.121	mg/kg	0.0063	1.0	1/11/05	5:50	D. Otero	8021B	6255
**TPH (Gasoline Range)	13.2	mg/kg	10.6	1.0	1/11/05	5:50	D. Otero	8015B	6255
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	1/11/05	21:24	M.Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0016	1.0	1/12/05	22:03	J. Adams	8260B	586
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.38 g	5.0 ml	1/ 6/05	12:45	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2493  
Sample ID: S-2-B5  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	4.73 g	10.0 ml		1/ 6/05	12:45	D. Otero	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	104.	63. - 127.
TPH Hi Surr., o-Terphenyl	89.	35. - 135.
VOA Surr, 1,2-DCAd4	69. #	72. - 134.
VOA Surr Toluene-d8	126. #	76. - 122.
VOA Surr, 4-BFB	122.	60. - 138.
VOA Surr, DBFM	87.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogates outside QC range.

Sample volume insufficient to confirm.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2494  
Sample ID: S-4-B5  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 14:00  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	79.3	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	1.20	mg/kg	0.0965	50.0	1/12/05	3:16	D. Otero	8021B	323
**Ethylbenzene	1.53	mg/kg	0.0965	50.0	1/12/05	3:16	D. Otero	8021B	323
**Toluene	ND	mg/kg	0.0965	50.0	1/12/05	3:16	D. Otero	8021B	323
**Xylenes, total	0.550	mg/kg	0.290	50.0	1/12/05	3:16	D. Otero	8021B	323
**TPH (Gasoline Range)	36.7	mg/kg	9.65	50.0	1/12/05	3:16	D. Otero	8015B	323
**TPH (Diesel Range)	13.6	mg/kg	10.1	1.0	1/12/05	10:45	M.Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0019	1.0	1/13/05	21:18	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	5.34 g	5.0 ml	1/ 6/05	14:00	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2494  
Sample ID: S-4-B5  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Extracted Wt/Vol	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.18 g	10.0 ml	1/ 6/05	14:00	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	107.	63. - 127.
TPH Hi Surr., o-Terphenyl	84.	35. - 135.
VOA Surr, 1,2-DCAd4	102.	72. - 134.
VOA Surr Toluene-d8	109.	76. - 122.
VOA Surr, 4-BFB	115.	60. - 138.
VOA Surr, DBFM	102.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2495  
Sample ID: S-6-B5  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 14:05  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
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### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	75.9	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	4.38	mg/kg	1.33	500.	1/12/05	3:47	D. Otero	8021B	323
**Ethylbenzene	44.3	mg/kg	1.33	500.	1/12/05	3:47	D. Otero	8021B	323
**Toluene	5.44	mg/kg	1.33	500.	1/12/05	3:47	D. Otero	8021B	323
**Xylenes, total	64.1	mg/kg	3.99	500.	1/12/05	3:47	D. Otero	8021B	323
**TPH (Gasoline Range)	1410	mg/kg	133.	500.	1/12/05	3:47	D. Otero	8015B	323
**TPH (Diesel Range)	33.7	mg/kg	10.1	1.0	1/12/05	10:29	M.Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.106	50.0	1/13/05	21:38	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
-----	-----	-----	-----	-----	-----	-----
EPH/DRO	24.7 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	4.72 g	5.0 ml	1/ 6/05	14:05	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2495  
Sample ID: S-6-B5  
Project:  
Page 2

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Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	3.77 g	10.0 ml	1/ 6/05	14:05	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	109.	63. - 127.
TPH Hi Surr., o-Terphenyl	83.	35. - 135.
VOA Surr, 1,2-DCAd4	96.	72. - 134.
VOA Surr Toluene-d8	105.	76. - 122.
VOA Surr, 4-BFB	94.	60. - 138.
VOA Surr, DBFM	93.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit..

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 PQL's elevated due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2496  
Sample ID: S-8-B5  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 14:10  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	78.6	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	1.47	mg/kg	0.186	100.	1/12/05	4:18	D. Otero	8021B	323
**Ethylbenzene	4.01	mg/kg	0.186	100.	1/12/05	4:18	D. Otero	8021B	323
**Toluene	ND	mg/kg	0.186	100.	1/12/05	4:18	D. Otero	8021B	323
**Xylenes, total	8.48	mg/kg	0.558	100.	1/12/05	4:18	D. Otero	8021B	323
**TPH (Gasoline Range)	61.8	mg/kg	18.6	100.	1/12/05	4:18	D. Otero	8015B	323
**TPH (Diesel Range)	24.1	mg/kg	9.92	1.0	1/12/05	11:02	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0928	50.0	1/13/05	21:57	J. Adams	8260B	590
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.2 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	5.39 g	5.0 ml	1/ 6/05	14:10	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2496  
Sample ID: S-8-B5  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.39 g	10.0 ml		1/ 6/05	14:10	D. Otero	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	107.	63. - 127.
TPH Hi Surr., o-Terphenyl	93.	35. - 135.
VOA Surr, 1,2-DCAd4	94.	72. - 134.
VOA Surr Toluene-d8	97.	76. - 122.
VOA Surr, 4-BFB	92.	60. - 138.
VOA Surr, DBFM	90.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 PQL's elevated due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

8021 PQL's elevated due to sample matrix.

Analysis at a lower dilution did not meet method QC requirements.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2497  
Sample ID: S-10-B5  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 14:15  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
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### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	74.8	%		1.0	1/ 8/05	10:04	Fitzwater	CLP	6348
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0682	mg/kg	0.0020	1.0	1/12/05	4:50	D. Otero	8021B	323
**Ethylbenzene	0.0155	mg/kg	0.0020	1.0	1/12/05	4:50	D. Otero	8021B	323
**Toluene	0.0031	mg/kg	0.0020	1.0	1/12/05	4:50	D. Otero	8021B	323
**Xylenes, total	0.0124	mg/kg	0.0060	1.0	1/12/05	4:50	D. Otero	8021B	323
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	1/12/05	4:50	D. Otero	8015B	323
**TPH (Diesel Range)	11.4	mg/kg	10.0	1.0	1/12/05	11:18	M. Jarrett	8015B	8320

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0065	mg/kg	0.0018	1.0	1/13/05	22:16	J. Adams	8260B	593
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
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EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	5.63 g	5.0 ml	1/ 6/05	14:15	Fitzwater	5035

Sample report continued . . .

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## **ANALYTICAL REPORT**

Laboratory Number: 05-A2497  
Sample ID: S-10-B5  
Project:  
Page 2

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Sample Extraction Data

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Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.10 g	10.0 ml		1/ 6/05	14:15	D. Otero	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	103.	63. - 127.
TPH Hi Surr., o-Terphenyl	89.	35. - 135.
VOA Surr, 1,2-DCAd4	100.	72. - 134.
VOA Surr Toluene-d8	104.	76. - 122.
VOA Surr, 4-BFB	101.	60. - 138.
VOA Surr, DBFM	96.	75. - 137.

**LABORATORY COMMENTS:**

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2498  
Sample ID: S-11.5-B5  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 14:20  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	83.0	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0143	mg/kg	0.0010	1.0	1/12/05	17:49	J. Redmond	8021B	783
**Ethylbenzene	0.0204	mg/kg	0.0010	1.0	1/12/05	17:49	J. Redmond	8021B	783
**Toluene	0.0027	mg/kg	0.0010	1.0	1/12/05	17:49	J. Redmond	8021B	783
**Xylenes, total	0.0417	mg/kg	0.0030	1.0	1/12/05	17:49	J. Redmond	8021B	783
**TPH (Gasoline Range)	ND	mg/kg	5.02	1.0	1/12/05	17:49	J. Redmond	8015B	783
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	1/11/05	23:15	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0018	1.0	1/14/05	9:50	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	5.63 g	5.0 ml	1/ 6/05	14:20	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2498  
Sample ID: S-11.5-B5  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	4.98 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	115.	63. - 127.
TPH Hi Surr., o-Terphenyl	105.	35. - 135.
VOA Surr, 1,2-DCAd4	107.	72. - 134.
VOA Surr Toluene-d8	99.	76. - 122.
VOA Surr, 4-BFB	102.	60. - 138.
VOA Surr, DBFM	102.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

The TRPH-Diesel MS/MSD were not reported due to the matrix of the sample spiked.

End of Sample Report.

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## **ANALYTICAL REPORT**

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2499  
Sample ID: S-2-B6  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 12:30  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
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\*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	77.6	%	1.0	1/11/05	12:11	B.Plett	CLP	6356
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\*ORGANIC PARAMETERS\*

**Benzene	ND	mg/kg	0.0010	1.0	1/12/05	18:23	J. Redmond	8021B	783
**Ethylbenzene	ND	mg/kg	0.0010	1.0	1/12/05	18:23	J. Redmond	8021B	783
**Toluene	ND	mg/kg	0.0010	1.0	1/12/05	18:23	J. Redmond	8021B	783
**Xylenes, total	0.0089	mg/kg	0.0030	1.0	1/12/05	18:23	J. Redmond	8021B	783
**TPH (Gasoline Range)	ND	mg/kg	4.95	1.0	1/12/05	18:23	J. Redmond	8015B	783
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/11/05	23:31	M.Jarrett	8015B	8321

\*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0297	mg/kg	0.0017	1.0	1/14/05	10:10	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

-----  
Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
-----	-----	-----	-----	-----	-----	-----
EPH/DRO	25.0 gm.	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	5.80 g	5.0 ml	1/ 6/05	12:30	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2499  
Sample ID: S-2-B6  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		5.05 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	91.	63. - 127.
TPH Hi Surr., o-Terphenyl	94.	35. - 135.
VOA Surr, 1,2-DCAd4	99.	72. - 134.
VOA Surr Toluene-d8	98.	76. - 122.
VOA Surr, 4-BFB	93.	60. - 138.
VOA Surr, DBFM	96.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte  
All results reported on a wet weight basis.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2500  
Sample ID: S-6-B6  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:30  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
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### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	78.8	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0032	mg/kg	0.0010	1.0	1/12/05	18:58	J. Redmond	8021B	783
**Ethylbenzene	0.0022	mg/kg	0.0010	1.0	1/12/05	18:58	J. Redmond	8021B	783
**Toluene	0.0010	mg/kg	0.0010	1.0	1/12/05	18:58	J. Redmond	8021B	783
**Xylenes, total	0.0124	mg/kg	0.0030	1.0	1/12/05	18:58	J. Redmond	8021B	783
**TPH (Gasoline Range)	ND	mg/kg	4.95	1.0	1/12/05	18:58	J. Redmond	8015B	783
**TPH (Diesel Range)	11.4	mg/kg	10.0	1.0	1/12/05	8:31	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0077	mg/kg	0.0015	1.0	1/14/05	10:29	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
-----	-----	-----	-----	-----	-----	-----
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.80 g	5.0 ml	1/ 6/05	13:30	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2500  
Sample ID: S-6-B6  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.05 g	5.0	ml	1/11/05	12:24	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	63. - 127.
TPH Hi Surr., o-Terphenyl	84.	35. - 135.
VOA Surr, 1,2-DCAd4	106.	72. - 134.
VOA Surr Toluene-d8	100.	76. - 122.
VOA Surr, 4-BFB	104.	60. - 138.
VOA Surr, DBFM	103.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2501  
Sample ID: S-8-B6  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:35  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	77.4	%	1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0058	mg/kg	0.0010	1.0	1/12/05	19:32	J. Redmond	8021B	783
**Ethylbenzene	1.27	mg/kg	0.150	50.0	1/13/05	21:04	J. Redmond	8021B	789
**Toluene	0.0127	mg/kg	0.0030	1.0	1/12/05	19:32	J. Redmond	8021B	783
**Xylenes, total	1.80	mg/kg	0.450	50.0	1/13/05	21:04	J. Redmond	8021B	789
**TPH (Gasoline Range)	103.	mg/kg	50.0	50.0	1/13/05	21:04	J. Redmond	8015B	789
**TPH (Diesel Range)	16.4	mg/kg	10.0	1.0	1/11/05	8:47	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0015	1.0	1/14/05	10:58	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.84 g	5.0 ml	1/ 6/05	13:35	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2501  
Sample ID: S-8-B6  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		4.93 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	92.	63. - 127.
TPH Hi Surr., o-Terphenyl	93.	35. - 135.
VOA Surr, 1,2-DCAd4	103.	72. - 134.
VOA Surr Toluene-d8	103.	76. - 122.
VOA Surr, 4-BFB	110.	60. - 138.
VOA Surr, DBFM	99.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2502  
Sample ID: S-10-B6  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:40  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	76.2	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0019	mg/kg	0.0010	1.0	1/12/05	20:06	J. Redmond	8021B	783
**Ethylbenzene	0.0125	mg/kg	0.0010	1.0	1/12/05	20:06	J. Redmond	8021B	783
**Toluene	ND	mg/kg	0.0010	1.0	1/12/05	20:06	J. Redmond	8021B	783
**Xylenes, total	0.0126	mg/kg	0.0030	1.0	1/12/05	20:06	J. Redmond	8021B	783
**TPH (Gasoline Range)	ND	mg/kg	5.04	1.0	1/12/05	20:06	J. Redmond	8015B	783
**TPH (Diesel Range)	11.2	mg/kg	10.0	1.0	1/12/05	9:03	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0011	1.0	1/14/05	11:19	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	8.74 g	5.0 ml	1/ 6/05	13:40	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2502  
Sample ID: S-10-B6  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	4.96 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	118.	63. - 127.
TPH Hi Surr., o-Terphenyl	89.	35. - 135.
VOA Surr, 1,2-DCAd4	108.	72. - 134.
VOA Surr Toluene-d8	97.	76. - 122.
VOA Surr, 4-BFB	93.	60. - 138.
VOA Surr, DBFM	104.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2503  
Sample ID: S-12-B6  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:45  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	85.6	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0021	mg/kg	0.0010	1.0	1/12/05	20:40	J. Redmond	8021B	783
**Ethylbenzene	0.0023	mg/kg	0.0010	1.0	1/12/05	20:40	J. Redmond	8021B	783
**Toluene	ND	mg/kg	0.0010	1.0	1/12/05	20:40	J. Redmond	8021B	783
**Xylenes, total	0.0069	mg/kg	0.0030	1.0	1/12/05	20:40	J. Redmond	8021B	783
**TPH (Gasoline Range)	ND	mg/kg	5.07	1.0	1/12/05	20:40	J. Redmond	8015B	783
**TPH (Diesel Range)	21.2	mg/kg	10.1	1.0	1/12/05	9:19	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	ND	mg/kg	0.0013	1.0	1/14/05	11:38	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	7.58 g	5.0 ml	1/ 6/05	13:45	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2503  
Sample ID: S-12-B6  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
Wt/Vol						
BTX Prep	4.93 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

---

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	101.	63. - 127.
TPH Hi Sur., o-Terphenyl	95.	35. - 135.
VOA Sur., 1,2-DCAd4	101.	72. - 134.
VOA Sur., Toluene-d8	96.	76. - 122.
VOA Sur., 4-BFB	100.	60. - 138.
VOA Sur., DBFM	98.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2504  
Sample ID: S-2-B7  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 10:45  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	75.7	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	ND	mg/kg	0.0010	1.0	1/12/05	21:15	J. Redmond	8021B	783
**Ethylbenzene	ND	mg/kg	0.0010	1.0	1/12/05	21:15	J. Redmond	8021B	783
**Toluene	ND	mg/kg	0.0010	1.0	1/12/05	21:15	J. Redmond	8021B	783
**Xylenes, total	0.0084	mg/kg	0.0030	1.0	1/12/05	21:15	J. Redmond	8021B	783
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	1/12/05	21:15	J. Redmond	8015B	783
**TPH (Diesel Range)	30.6	mg/kg	20.1	2.0	1/12/05	10:39	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0053	mg/kg	0.0011	1.0	1/14/05	11:59	J. Adams	8260B	930
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO		24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics		8.83 g	5.0 ml	1/ 6/05	10:45	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2504  
Sample ID: S-2-B7  
Project:  
Page 2

### Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		5.00 g	5.0 ml	1/11/05	12:24	J. Redmond	S035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	89.	63. - 127.
TPH Hi Surr., o-Terphenyl	84.	35. - 135.
VOA Surr, 1,2-DCAd4	108.	72. - 134.
VOA Surr Toluene-d8	114.	76. - 122.
VOA Surr, 4-BFB	113.	60. - 138.
VOA Surr, DBFM	102.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2505  
Sample ID: S-4-B7  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 12:50  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
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<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	72.0	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	ND	mg/kg	0.0010	1.0	1/13/05	14:44	J. Redmond	8021B	789
**Ethylbenzene	ND	mg/kg	0.0010	1.0	1/13/05	14:44	J. Redmond	8021B	789
**Toluene	ND	mg/kg	0.0010	1.0	1/13/05	14:44	J. Redmond	8021B	789
**Xylenes, total	0.0036	mg/kg	0.0030	1.0	1/13/05	14:44	J. Redmond	8021B	789
**TPH (Gasoline Range)	ND	mg/kg	4.93	1.0	1/13/05	14:44	J. Redmond	8015B	789
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/12/05	9:35	M.Jarrett	8015B	8321
<b>*VOLATILE ORGANICS*</b>									
**Methyl-t-butyl ether	0.0198	mg/kg	0.0015	1.0	1/14/05	12:19	J. Adams	8260B	930

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.88 g	5.0 ml	1/ 6/05	12:50	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2505  
Sample ID: S-4-B7  
Project:  
Page 2

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Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep		5.07 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	94.	63. - 127.
TPH Hi Surr., o-Terphenyl	91.	35. - 135.
VOA Surr, 1,2-DCAd4	107.	72. - 134.
VOA Surr Toluene-d8	112.	76. - 122.
VOA Surr, 4-BFB	111.	60. - 138.
VOA Surr, DBFM	104.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

End of Sample Report.

## **ANALYTICAL REPORT**

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2506  
Sample ID: S-6-B7  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:00  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

\*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	77.5	%	1.0	1/11/05	12:11	B.Plett	CLP	6356
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\*ORGANIC PARAMETERS\*

**Benzene	ND	mg/kg	0.0010	1.0	1/13/05	15:18	J. Redmond	8021B	789
**Ethylbenzene	0.0041	mg/kg	0.0010	1.0	1/13/05	15:18	J. Redmond	8021B	789
**Toluene	0.0020	mg/kg	0.0010	1.0	1/13/05	15:18	J. Redmond	8021B	789
**Xylenes, total	0.0044	mg/kg	0.0030	1.0	1/13/05	15:18	J. Redmond	8021B	789
**TPH (Gasoline Range)	ND	mg/kg	4.98	1.0	1/13/05	15:18	J. Redmond	8015B	789
**TPH (Diesel Range)	10.4	mg/kg	10.0	1.0	1/12/05	9:50	M.Jarrett	8015B	8321

\*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0425	mg/kg	0.0012	1.0	1/14/05	15:13	J. Adams	8260B	1290
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Silica Gel Cleanup performed for TPH-DRO analysis.

-----  
Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	8.56 g	5.0 ml	1/ 6/05	13:00	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2506  
Sample ID: S-6-B7  
Project:  
Page 2

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### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.02 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

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Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	125.	63. - 127.
TPH Hi Surr., o-Terphenyl	92.	35. - 135.
VOA Surr, 1,2-DCAd4	112.	72. - 134.
VOA Surr Toluene-d8	122.	76. - 122.
VOA Surr, 4-BFB	130.	60. - 138.
VOA Surr, DBFM	102.	75. - 137.

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2507  
Sample ID: S-8-B7  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:10  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.8	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	0.0017	mg/kg	0.0010	1.0	1/13/05	15:57	J. Redmond	8021B	789
**Ethylbenzene	0.0025	mg/kg	0.0010	1.0	1/13/05	15:57	J. Redmond	8021B	789
**Toluene	0.0019	mg/kg	0.0010	1.0	1/13/05	15:57	J. Redmond	8021B	789
**Xylenes, total	0.0032	mg/kg	0.0030	1.0	1/13/05	15:57	J. Redmond	8021B	789
**TPH (Gasoline Range)	ND	mg/kg	4.87	1.0	1/13/05	15:57	J. Redmond	8015B	789
**TPH (Diesel Range)	15.8	mg/kg	9.96	1.0	1/12/05	10:06	M.Jarrett	8015B	8321
<b>*VOLATILE ORGANICS*</b>									
**Methyl-t-butyl ether	0.0330	mg/kg	0.0014	1.0	1/14/05	15:32	J. Adams	8260B	1290

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.1 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	7.05 g	.5.0 ml	1/ 6/05	13:10	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2507  
Sample ID: S-8-B7  
Project:  
Page 2

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Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.13 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	107.	63. - 127.
TPH Hi Surr., o-Terphenyl	90.	35. - 135.
VOA Surr, 1,2-DCAd4	104.	72. - 134.
VOA Surr Toluene-d8	119.	76. - 122.
VOA Surr, 4-BFB	135.	60. - 138.
VOA Surr, DBFM	99.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2508  
Sample ID: S-10-B7  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:12  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
<b>*GENERAL CHEMISTRY PARAMETERS*</b>									
% Dry Weight	75.1	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	0.0044	mg/kg	0.0010	1.0	1/13/05	16:31	J. Redmond	8021B	789
**Ethylbenzene	0.0882	mg/kg	0.0010	1.0	1/13/05	16:31	J. Redmond	8021B	789
**Toluene	ND	mg/kg	0.0010	1.0	1/13/05	16:31	J. Redmond	8021B	789
**Xylenes, total	ND	mg/kg	0.0030	1.0	1/13/05	16:31	J. Redmond	8021B	789
**TPH (Gasoline Range)	ND	mg/kg	5.05	1.0	1/13/05	16:31	J. Redmond	8015B	789
**TPH (Diesel Range)	13.3	mg/kg	10.1	1.0	1/12/05	10:23	M.Jarrett	8015B	8321
<b>*VOLATILE ORGANICS*</b>									
**Methyl-t-butyl ether	0.0935	mg/kg	0.0015	1.0	1/14/05	15:51	J. Adams	8260B	1290

Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
-----	-----	-----	-----	-----	-----	-----
EPH/DRO	24.8 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.74 g	5.0 ml	1/ 6/05	13:12	Fitzwater	5035

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A2508  
Sample ID: S-10-B7  
Project:  
Page 2

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Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	4.95 g	5.0 ml	1/11/05	12:24	J. Redmond	5035

---

Surrogate*	% Recovery	Target Range
UST surr-Trifluorotoluene	102.	63. - 127.
TPH Hi Surr., o-Terphenyl	93.	35. - 135.
VOA Surr, 1,2-DCAd4	186. #	72. - 134.
VOA Surr Toluene-d8	226. #	76. - 122.
VOA Surr, 4-BFB	172. #	60. - 138.
VOA Surr, DBFM	141. #	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

8260 surrogates outside QC range due to sample matrix.

TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2509  
Sample ID: S-11.5-B7  
Sample Type: Soil  
Site ID: SR-OSA

Project:  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ CULLMANN

Date Collected: 1/ 6/05  
Time Collected: 13:15  
Date Received: 1/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4504239085

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			

### \*GENERAL CHEMISTRY PARAMETERS\*

# Dry Weight	75.4	%		1.0	1/11/05	12:11	B.Plett	CLP	6356
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### \*ORGANIC PARAMETERS\*

**Benzene	0.0051	mg/kg	0.0010	1.0	1/13/05	17:05	J. Redmond	8021B	789
**Ethylbenzene	0.0131	mg/kg	0.0010	1.0	1/13/05	17:05	J. Redmond	8021B	789
**Toluene	ND	mg/kg	0.0010	1.0	1/13/05	17:05	J. Redmond	8021B	789
**Xylenes, total	0.0039	mg/kg	0.0030	1.0	1/13/05	17:05	J. Redmond	8021B	789
**TPH (Gasoline Range)	ND	mg/kg	4.99	1.0	1/13/05	17:05	J. Redmond	8015B	789
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	1/12/05	2:41	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Methyl-t-butyl ether	0.0314	mg/kg	0.0015	1.0	1/14/05	16:10	J. Adams	8260B	1290
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Silica Gel Cleanup performed for TPH-DRO analysis.

### Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	6.57 g	5.0 ml	1/ 6/05	13:15	Fitzwater	5035

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A2509  
Sample ID: S-11.5-B7  
Project:  
Page 2

-----  
Sample Extraction Data

Parameter	Wt/Vol	Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.01 g	5.0 ml		1/11/05	12:24	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	99.	63. - 127.
TPH Hi Surr., o-Terphenyl	92.	35. - 135.
VOA Surr, 1,2-DCAd4	107.	72. - 134.
VOA Surr Toluene-d8	105.	76. - 122.
VOA Surr, 4-BFB	98.	60. - 138.
VOA Surr, DBFM	98.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

End of Sample Report.

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name: EXXONMOBIL SR-OSA**

**Page: 1**

**Laboratory Receipt Date: 1/ 8/05**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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**\*\*UST ANALYSIS\*\***

Benzene	mg/kg	0.711	0.602	0.0500	-218#	16. - 158.	6255	'2493
Benzene	mg/kg	< 0.0009	0.0539	0.0500	108	16. - 158.	783	blank
Benzene	mg/kg	0.0027	0.0439	0.0500	82	16. - 158.	789	'3204
Toluene	mg/kg	0.0054	0.0263	0.0500	42	10. - 152.	6255	'2493
Toluene	mg/kg	0.0006	0.0601	0.0500	119	10. - 152.	783	blank
Toluene	mg/kg	0.0087	0.0436	0.0500	70	10. - 152.	789	'3204
Ethylbenzene	mg/kg	0.106	0.106	0.0500	0#	10. - 160.	6255	'2493
Ethylbenzene	mg/kg	< 0.0005	0.0637	0.0500	127	10. - 160.	783	blank
Ethylbenzene	mg/kg	0.0344	0.0505	0.0500	32	10. - 160.	789	'3204
Xylenes, total	mg/kg	0.0570	0.0840	0.100	27	10. - 153.	6255	'2493
Xylenes, total	mg/kg	0.0052	0.119	0.100	114	10. - 153.	783	blank
Xylenes, total	mg/kg	0.0372	0.0866	0.100	49	10. - 153.	789	'3204
TPH (Gasoline Range)	mg/kg	< 0.52	8.75	10.0	88	52. - 150.	6255	blank
TPH (Gasoline Range)	mg/kg	< 0.52	8.87	10.0	89	52. - 150.	783	blank
TPH (Gasoline Range)	mg/kg	1.66	9.08	10.0	74	52. - 150.	789	'3204
TPH (Diesel Range)	mg/kg	11.4	43.2	40.0	80	28. - 143.	8320	05-A2497
VOA Surr, 1,2-DCAd4	% Rec				61	72 - 134	586	
VOA Surr, 1,2-DCAd4	% Rec				88	72 - 134	590	
VOA Surr, 1,2-DCAd4	% Rec				90	72 - 134	593	
VOA Surr, 1,2-DCAd4	% Rec				90	72 - 134	930	
VOA Surr, 1,2-DCAd4	% Rec				90	72 - 134	1290	
VOA Surr Toluene-d8	% Rec				98	76 - 122	586	
VOA Surr Toluene-d8	% Rec				99	76 - 122	590	
VOA Surr Toluene-d8	% Rec				95	76 - 122	593	
VOA Surr Toluene-d8	% Rec				95	76 - 122	930	
VOA Surr Toluene-d8	% Rec				95	76 - 122	1290	

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name: EXXONMOBIL SR-OSA**

**Page: 2**

**Laboratory Receipt Date: 1/ 8/05**

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C.	Batch	Spike Sample
VOA Surr, 4-BFB	% Rec				91	60 -	138	586	
VOA Surr, 4-BFB	% Rec				91	60 -	138	590	
VOA Surr, 4-BFB	% Rec				96	60 -	138	593	
VOA Surr, 4-BFB	% Rec				96	60 -	138	930	
VOA Surr, 4-BFB	% Rec				96	60 -	138	1290	
VOA Surr, DBFM	% Rec				80	75 -	137	586	
VOA Surr, DBFM	% Rec				89	75 -	137	590	
VOA Surr, DBFM	% Rec				94	75 -	137	593	
VOA Surr, DBFM	% Rec				94	75 -	137	930	
VOA Surr, DBFM	% Rec				94	75 -	137	1290	

**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C.	Batch

**\*\*UST PARAMETERS\*\***

Benzene	mg/kg	0.602	0.646	7.05	53.	6255
Benzene	mg/kg	0.0539	0.0516	4.36	53.	783
Benzene	mg/kg	0.0439	0.0428	2.54	53.	789
Toluene	mg/kg	0.0263	0.0229	13.82	62.	6255
Toluene	mg/kg	0.0601	0.0553	8.32	62.	783
Toluene	mg/kg	0.0436	0.0420	3.74	62.	789
Ethylbenzene	mg/kg	0.106	0.0897	16.66	63.	6255
Ethylbenzene	mg/kg	0.0637	0.0586	8.34	63.	783
Ethylbenzene	mg/kg	0.0505	0.0342	38.49	63.	789
Xylenes, total	mg/kg	0.0840	0.0667	22.96	69.	6255
Xylenes, total	mg/kg	0.119	0.107	10.62	69.	783

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name: EXXONMOBIL SR-OSA**

**Page: 3**

**Laboratory Receipt Date: 1/ 8/05**

**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Xylenes, total	mg/kg	0.0866	0.0680	24.06	69.	789
TPH (Gasoline Range)	mg/kg	8.75	10.1	14.32	39.	6255
TPH (Gasoline Range)	mg/kg	8.87	8.96	1.01	39.	783
TPH (Gasoline Range)	mg/kg	9.08	9.64	5.98	39.	789
TPH (Diesel Range)	mg/kg	43.2	44.9	3.86	51.	8320
VOA Surr, 1,2-DCAd4	% Rec		66.			586
VOA Surr, 1,2-DCAd4	% Rec		87.			590
VOA Surr, 1,2-DCAd4	% Rec		91.			593
VOA Surr, 1,2-DCAd4	% Rec		91.			930
VOA Surr Toluene-d8	% Rec		91.			1290
VOA Surr Toluene-d8	% Rec		99.			586
VOA Surr Toluene-d8	% Rec		95.			590
VOA Surr Toluene-d8	% Rec		97.			593
VOA Surr Toluene-d8	% Rec		97.			930
VOA Surr Toluene-d8	% Rec		97.			1290
VOA Surr, 4-BFB	% Rec		89.			586
VOA Surr, 4-BFB	% Rec		97.			590
VOA Surr, 4-BFB	% Rec		93.			593
VOA Surr, 4-BFB	% Rec		93.			930
VOA Surr, 4-BFB	% Rec		93.			1290
VOA Surr, DBFM	% Rec		84.			586
VOA Surr, DBFM	% Rec		95.			590
VOA Surr, DBFM	% Rec		94.			593
VOA Surr, DBFM	% Rec		94.			930
VOA Surr, DBFM	% Rec		94.			1290

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name:** EXXONMOBIL SR-OSA

**Page:** 4

**Laboratory Receipt Date:** 1/ 8/05

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
<b>**UST PARAMETERS**</b>						
Benzene	mg/kg	0.100	0.109	109	72 - 124	6255
Benzene	mg/kg	0.100	0.0987	99	72 - 124	323
Benzene	mg/kg	0.100	0.104	104	72 - 124	331
Benzene	mg/kg	0.100	0.0940	94	72 - 124	783
Benzene	mg/kg	0.100	0.0997	100	72 - 124	789
Toluene	mg/kg	0.100	0.105	105	49 - 152	6255
Toluene	mg/kg	0.100	0.0970	97	49 - 152	323
Toluene	mg/kg	0.100	0.0932	93	49 - 152	783
Toluene	mg/kg	0.100	0.0998	100	49 - 152	789
Ethylbenzene	mg/kg	0.100	0.114	114	72 - 126	6255
Ethylbenzene	mg/kg	0.100	0.103	103	72 - 126	323
Ethylbenzene	mg/kg	0.100	0.105	105	72 - 126	783
Ethylbenzene	mg/kg	0.100	0.110	110	72 - 126	789
Xylenes, total	mg/kg	0.200	0.218	109	75 - 122	6255
Xylenes, total	mg/kg	0.200	0.198	99	75 - 122	323
Xylenes, total	mg/kg	0.200	0.192	96	75 - 122	783
Xylenes, total	mg/kg	0.200	0.198	99	75 - 122	789
TPH (Gasoline Range)	mg/kg	10.0	10.1	101	74 - 127	6255
TPH (Gasoline Range)	mg/kg	10.0	11.1	111	74 - 127	323
TPH (Gasoline Range)	mg/kg	10.0	11.1	111	74 - 127	329
TPH (Gasoline Range)	mg/kg	10.0	8.87	89	74 - 127	783
TPH (Gasoline Range)	mg/kg	10.0	9.08	91	74 - 127	789
TPH (Diesel Range)	mg/kg	40.0	41.4	104	54 - 126	8320
TPH (Diesel Range)	mg/kg	40.0	43.0	108	54 - 126	8321

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name: EXXONMOBIL SR-OSA**

**Page: 5**

**Laboratory Receipt Date: 1/ 8/05**

**\*\*VOA PARAMETERS\*\***

Methyl-t-butyl ether	mg/kg	0.0500	0.0554	111	67 - 138	586
Methyl-t-butyl ether	mg/kg	0.0500	0.0512	102	67 - 138	590
Methyl-t-butyl ether	mg/kg	0.0500	0.0512	102	67 - 138	593
Methyl-t-butyl ether	mg/kg	0.0500	0.0469	94	67 - 138	930
Methyl-t-butyl ether	mg/kg	0.0500	0.0468	94	67 - 138	1290
VOA Surr, 1,2-DCAd4	% Rec			86	72 - 134	586
VOA Surr, 1,2-DCAd4	% Rec			89	72 - 134	590
VOA Surr, 1,2-DCAd4	% Rec			89	72 - 134	593
VOA Surr, 1,2-DCAd4	% Rec			90	72 - 134	930
VOA Surr, 1,2-DCAd4	% Rec			92	72 - 134	1290
VOA Surr Toluene-d8	% Rec			82	76 - 122	586
VOA Surr Toluene-d8	% Rec			95	76 - 122	590
VOA Surr Toluene-d8	% Rec			95	76 - 122	593
VOA Surr Toluene-d8	% Rec			97	76 - 122	930
VOA Surr, 4-BFB	% Rec			97	76 - 122	1290
VOA Surr, 4-BFB	% Rec			88	60 - 138	586
VOA Surr, 4-BFB	% Rec			90	60 - 138	590
VOA Surr, 4-BFB	% Rec			90	60 - 138	593
VOA Surr, 4-BFB	% Rec			98	60 - 138	930
VOA Surr, 4-BFB	% Rec			99	60 - 138	1290
VOA Surr, DBFM	% Rec			90	75 - 137	586
VOA Surr, DBFM	% Rec			96	75 - 137	590
VOA Surr, DBFM	% Rec			96	75 - 137	593
VOA Surr, DBFM	% Rec			95	75 - 137	930
VOA Surr, DBFM	% Rec			98	75 - 137	1290

**Duplicates**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
-----	-----	-----	-----	-----	-----	-----	-----

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name: EXXONMOBIL SR-OSA**

**Page: 6**

**Laboratory Receipt Date: 1/ 8/05**

**Blank Data**

Analyte	Blank Value	Units	Q.C.	Batch	Date Analyzed	Time Analyzed
---------	-------------	-------	------	-------	---------------	---------------

**\*\*UST PARAMETERS\*\***

Benzene	< 0.0009	mg/kg	6255	1/10/05	19:22
Benzene	< 0.0010	mg/kg	323	1/11/05	18:15
Benzene	< 0.0010	mg/kg	331	1/12/05	16:08
Benzene	< 0.0009	mg/kg	783	1/12/05	17:15
Benzene	< 0.0009	mg/kg	789	1/13/05	14:10
Toluene	0.0005	mg/kg	6255	1/10/05	19:22
Toluene	< 0.0010	mg/kg	323	1/11/05	18:15
Toluene	0.0006	mg/kg	783	1/12/05	17:15
Toluene	0.0007	mg/kg	789	1/13/05	14:10
Ethylbenzene	< 0.0005	mg/kg	6255	1/10/05	19:22
Ethylbenzene	< 0.0010	mg/kg	323	1/11/05	18:15
Ethylbenzene	< 0.0005	mg/kg	783	1/12/05	17:15
Ethylbenzene	< 0.0005	mg/kg	789	1/13/05	14:10
Xylenes, total	< 0.0010	mg/kg	6255	1/10/05	19:22
Xylenes, total	< 0.0030	mg/kg	323	1/11/05	18:15
Xylenes, total	0.0052	mg/kg	783	1/12/05	17:15
Xylenes, total	0.0023	mg/kg	789	1/13/05	14:10
TPH (Gasoline Range)	< 0.52	mg/kg	6255	1/10/05	19:22
TPH (Gasoline Range)	< 0.52	mg/kg	323	1/11/05	18:15
TPH (Gasoline Range)	< 0.52	mg/kg	329	1/11/05	18:15
TPH (Gasoline Range)	< 0.52	mg/kg	783	1/12/05	17:15
TPH (Gasoline Range)	< 0.52	mg/kg	789	1/13/05	14:10
TPH (Diesel Range)	< 0.05	mg/kg	8320	1/11/05	15:47
TPH (Diesel Range)	1.64	mg/kg	8321	1/11/05	22:43

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:**

**Project Name: EXXONMOBIL SR-OSA**

**Page: 7**

**Laboratory Receipt Date: 1/ 8/05**

UST surr-Trifluorotoluene	106.	% Recovery	6255	1/10/05	19:22
UST surr-Trifluorotoluene	104.	% Recovery	323	1/11/05	18:15
UST surr-Trifluorotoluene	104.	% Recovery	329	1/11/05	18:15
UST surr-Trifluorotoluene	105.	% Recovery	331	1/12/05	16:08
UST surr-Trifluorotoluene	91.	% Recovery	783	1/12/05	17:15
UST surr-Trifluorotoluene	93.	% Recovery	789	1/13/05	14:10
<b>**VOA PARAMETERS**</b>					
Methyl-t-butyl ether	< 0.0009	mg/kg	586	1/12/05	12:06
Methyl-t-butyl ether	< 0.0009	mg/kg	590	1/13/05	14:53
Methyl-t-butyl ether	< 0.0009	mg/kg	593	1/13/05	14:53
Methyl-t-butyl ether	< 0.0009	mg/kg	930	1/14/05	2:47
Methyl-t-butyl ether	< 0.0009	mg/kg	1290	1/14/05	14:53
VOA Surr, 1,2-DCAd4	94.	% Rec	586	1/12/05	12:06
VOA Surr, 1,2-DCAd4	106.	% Rec	590	1/13/05	14:53
VOA Surr, 1,2-DCAd4	106.	% Rec	593	1/13/05	14:53
VOA Surr, 1,2-DCAd4	105.	% Rec	930	1/14/05	2:47
VOA Surr, 1,2-DCAd4	105.	% Rec	1290	1/14/05	14:53
VOA Surr Toluene-d8	100.	% Rec	586	1/12/05	12:06
VOA Surr Toluene-d8	93.	% Rec	590	1/13/05	14:53
VOA Surr Toluene-d8	93.	% Rec	593	1/13/05	14:53
VOA Surr Toluene-d8	97.	% Rec	930	1/14/05	2:47
VOA Surr Toluene-d8	95.	% Rec	1290	1/14/05	14:53
VOA Surr, 4-BFB	106.	% Rec	586	1/12/05	12:06
VOA Surr, 4-BFB	91.	% Rec	590	1/13/05	14:53
VOA Surr, 4-BFB	91.	% Rec	593	1/13/05	14:53
VOA Surr, 4-BFB	95.	% Rec	930	1/14/05	2:47
VOA Surr, 4-BFB	97.	% Rec	1290	1/14/05	14:53
VOA Surr, DBFM	96.	% Rec	586	1/12/05	12:06
VOA Surr, DBFM	101.	% Rec	590	1/13/05	14:53
VOA Surr, DBFM	101.	% Rec	593	1/13/05	14:53
VOA Surr, DBFM	98.	% Rec	930	1/14/05	2:47
VOA Surr, DBFM	99.	% Rec	1290	1/14/05	14:53

Project QC continued . . .

# TestAmerica

ANALYTICAL TESTING CORPORATION

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**PROJECT QUALITY CONTROL DATA**

**Project Number:**

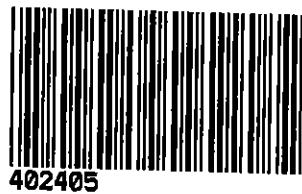
**Project Name:** EXXONMOBIL SR-OSA

**Page:** 8

**Laboratory Receipt Date:** 1/ 8/05

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 402405



**COOLER RECEIPT FORM**

BC#

402405

Client Name : ERI

Cooler Received/Opened On: 1/08/05 Accessioned By: Shawn Gracey

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 41.8 Degrees Celsius
2. Were custody seals on outside of cooler? .....  YES...NO...NA  
a. If yes, how many, and where: 1 Front
3. Were custody seals on containers? .....  NO...YES...NA
4. Were the seals intact, signed, and dated correctly? .....  YES...NO...NA
5. Were custody papers inside cooler? .....  YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)? .....  YES...NO...NA
7. Did you sign the custody papers in the appropriate place? .....  YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None
10. Did all containers arrive in good condition (unbroken)? .....  YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? .....  YES...NO...NA
12. Did all container labels and tags agree with custody papers? .....  YES...NO...NA
13. Were correct containers used for the analysis requested? .....  YES...NO...NA
14. a. Were VOA vials received? .....  YES...NO...NA  
b. Was there any observable head space present in any VOA vial? .....  NO...YES...NA
15. Was sufficient amount of sample sent in each container? .....  YES...NO...NA
16. Were correct preservatives used? .....  YES...NO...NA

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present? .....  NO...YES...NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

1054 11032 5935

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:

- SB-12-B6 was mislabeled  
SB - 11.5 - B6

Revised 12/9/04  
- confirmed by Sample

402405

## **Leah Klingensmith**

---

**From:** Rob A. Saur [rsaur@ERI-US.com]  
**Sent:** Monday, January 10, 2005 12:05 PM  
**To:** Leah Klingensmith  
**Subject:** RE: SR-OSA

Leah,

Please analyze all the samples on the 3rd page for TPHd, TPHg, BTEX, and MTBE; the same parameters as the other pages of the COCs.

Sorry for the confusion.

Robert A. Sour  
Project Manager

Environmental Resolutions, Inc  
6301 North McDowell Boulevard  
Petaluma, California 94954  
Phone: 707-766-2019  
Fax: 707-789-0414  
rsaur@eri-us.com

---

**From:** Leah Klingensmith [mailto:[LKlingensmith@testamericainc.com](mailto:LKlingensmith@testamericainc.com)]  
**Sent:** Monday, January 10, 2005 7:57 AM  
**To:** Rob A. Saur  
**Subject:** SR-OSA

Hi Rob,

The lab received the samples for the above site that were collected on the 6<sup>th</sup>. On the 3<sup>rd</sup> page of the COC, no analysis is marked. Do you want the same parameters as the other pages of the COC?

Thank!

### **TestAmerica Analytical Testing Corporation**

Leah R. Klingensmith  
Project Management Group Leader  
Email: [lklingensmith@testamericainc.com](mailto:lklingensmith@testamericainc.com)  
Phone: 615-301-5038

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## CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_



(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204

Shipping Method:  Lab Courier  Hand Deliver  Commercial Express  Other:

Consultant Name: Environmental Resolutions, Inc.

Address: 601 N. McDowell Blvd

City/State/Zip: Petaluma, California 94956

Project Manager Rob Saur

Telephone Number: 707-766-2000

ERI Job Number: 2592 14 X

Sampler Name: (Print)

LJZ Cullmann

Sampler Signature: LJZ Cullmann

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4504239085

Facility ID # SR-OSA

Global ID# T0609700701

Site Address 257 College Avenue

City, State Zip Santa Rosa, California

TAT

- 24 hour       72 hour  
 48 hour       96 hour  
 8 day

PROVIDE:  
EDF Report

Special Instructions:

# See page 1

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix			Analyze For:			
							Water	Soil	Vapor	TPHd 8015	TPHg 8015	BTEX 8020	MTBE 8260
S-2-B4	24/05	1112			methanol	24	X			X	X	X	
S-4-B4	28	1105130						X					
S-6-B4	29	11051140						X					
S-8.5-B4	90	11051225						X					
S-10-B4	91	11051235						X					
S-11.5-B4	92	11051245						X					
S-2-B5	93	11051245						X					
S-4-B5	94	11051400							X				
S-6-B5	95	11051405							X				
S-8-B5	96	11051410							X				
S-10-B5	24/05	1415							X				

Relinquished by: LJZ Cullmann	Date 7/05	Time 1330	Received by:	Time	Laboratory Comments:
					Temperature Upon Receipt:
					Sample Containers Intact?
					VOAs Free of Headspace?

Relinquished by: Date Time Received by TestAmerica: Time

## CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_



(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204

Shipping Method:  Lab Courier  Hand Deliver  Commercial Express  Other:

Consultant Name: Environmental Resolutions, Inc.

Address: 601 N. McDowell Blvd

City/State/Zip: Petaluma, California 94956

Project Manager Rob Saur

Telephone Number: 707-766-2000

ERI Job Number: 2592 14 X

Sampler Name: (Print) Jay CullmanSampler Signature: Jay Cullman

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4504239085

Facility ID # SR-OSA

Global ID# T0609700701

Site Address 257 College Avenue

City, State Zip Santa Rosa, California

TAT	PROVIDE:	Special Instructions:	Matrix			Analyze For:											
			Water	Soil	Vapor	TPHd	8015	TPHg	8015	BTEX	8020	MTBE	8260	DIPe	8260	Lead Scavengers	HOLD
<input type="checkbox"/> 24 hour	<input type="checkbox"/> 72 hour																
<input type="checkbox"/> 48 hour	<input type="checkbox"/> 96 hour																
<input checked="" type="checkbox"/> 8 day																	
Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER											
S-115-B5	24/05	1420			Method soil 6.5% salt	4 1/2	X		X	X	X						
S-2-B6	19/05	1230					X										
S-4-B6	5/05	1330					X										
S-8-B6	1/05	1335					X										
S-10-B6	3/05	1340					X										
S-12-B6	5/05	1345					X										
S-2-B7	4/05	1045					X										
S-4-B7	5/05	1250					X										
S-6-B7	6/05	1300					X										
S-8-B7	7/05	1310					X										
S-10-B7	25/05	1312					X										

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Time: \_\_\_\_\_ Laboratory Comments: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by TestAmerica: \_\_\_\_\_ SP6 Time: \_\_\_\_\_ Temperature Upon Receipt: \_\_\_\_\_

Sample Containers Intact? \_\_\_\_\_

VOAs Free of Headspace? \_\_\_\_\_

## **CHAIN OF CUSTODY RECORD**

Page \_\_\_\_\_ of \_\_\_\_\_



(615) 726-0177

Nashville Division

**2960 Foster Greighton**

Nashville, TN 37204

**ExxonMobil**

**Shipping Method:**  Lab Courier

**Reporting**

**Consultant Name:** Environmental Resolutions, Inc.

**Address:** 601 N. McDowell Blvd

**City/State/Zip:** Petaluma, California 94956

Project Manager Rob Saur

**Telephone Number:** 707-766-2000

ERI Job Number: 259214 X

Sampler Name: (Print) J.D. (J) MANN

Sampler Signature: 

**ExxonMobil Engineer** Jennifer Sedlachek  
**Telephone Number** 510-547-8196  
**Account #:** 10228  
**PO #:** 4504239085  
**Facility ID #** SR-OSA  
**Global ID#** T0609700701  
**Site Address** 257 College Avenue  
**City, State Zip** Santa Rosa, California

# TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

1/13/05

JAN 14 2005

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL SR-OSA  
Project Number: 2592-14X.  
Laboratory Project Number: 402436.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Page 1 Collection Date
S-SP1(1-4)	05-A2669	1/ 7/05
S-SP1(1-4)	05-A2670	1/ 7/05

# TestAmerica

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Page 2

Sample Identification	Lab Number	Collection Date
-----	-----	-----

These results relate only to the items tested.

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permission of the laboratory.

*Roxanne L Connor*

Report Approved By: \_\_\_\_\_ Report Date: 1/13/05

Johnny A. Mitchell, Lab Director  
Michael H. Dunn, M.S., Technical Director  
Pamela A. Langford, Technical Services  
Eric S. Smith, QA/QC Director  
Sandra McMillin, Technical Services

Gail A. Lage, Technical Services  
Glenn L. Norton, Technical Services  
Kelly S. Comstock, Technical Services  
Roxanne L. Connor, Technical Services  
Mark Hollingsworth, Director of Project Management

Laboratory Certification Number: 01168CA

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ANALYTICAL TESTING CORPORATION

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2669  
Sample ID: S-SP1(1-4)  
Sample Type: Soil  
Site ID: SR-OSA

Project: 2592-14X  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ COLLAMANN

Date Collected: 1/ 7/05  
Time Collected: 14:30  
Date Received: 1/ 8/05  
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte  
All results reported on a wet weight basis.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A2670  
Sample ID: S-SP1(1~4)  
Sample Type: Soil  
Site ID: SR-OSA

Project: 2592-14X  
Project Name: EXXONMOBIL SR-OSA  
Sampler: LYZ COLLAMAN

Date Collected: 1/ 7/05  
Time Collected: 14:30  
Date Received: 1/ 8/05  
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

### \*GENERAL CHEMISTRY PARAMETERS\*

% Dry Weight	85.8	%		1.0	1/11/05	12:03	B.Plett	CLP	6980
--------------	------	---	--	-----	---------	-------	---------	-----	------

### \*ORGANIC PARAMETERS\*

**Benzene	ND	mg/kg	0.0010	1.0	1/11/05	17:41	J. Redmond	8021B	8996
**Ethylbenzene	ND	mg/kg	0.0050	1.0	1/11/05	17:41	J. Redmond	8021B	8996
**Toluene	ND	mg/kg	0.0050	1.0	1/11/05	17:41	J. Redmond	8021B	8996
**Xylenes, total	0.0242	mg/kg	0.0050	1.0	1/11/05	17:41	J. Redmond	8021B	8996
**TPH (Gasoline Range)	ND	mg/kg	5.03	1.0	1/11/05	17:41	J. Redmond	8015B	8996
**TPH (Diesel Range)	37.1	mg/kg	19.9	2.0	1/12/05	10:55	M.Jarrett	8015B	8321

### \*VOLATILE ORGANICS\*

**Bromoform	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Bromomethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Carbon tetrachloride	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Chlorobenzene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Chloroethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**2-Chloroethylvinylether	ND	mg/kg	0.0101	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Chloroform	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Chloromethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Dibromochloromethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,2-Dichlorobenzene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,3-Dichlorobenzene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,4-Dichlorobenzene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Dichlorodifluoromethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,1-Dichloroethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,2-Dichloroethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,1-Dichloroethene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**cis-1,2-Dichloroethene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**trans-1,2-Dichloroethene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,2-Dichloropropane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**cis-1,3-Dichloropropene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487

## ANALYTICAL REPORT

Laboratory Number: 05-A2670  
 Sample ID: S-SP1(1-4)  
 Project: 2592-14X  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**trans-1,3-Dichloropropene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Methylene chloride	ND	mg/kg	0.0051	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Tetrachloroethene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,1,1-Trichloroethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**1,1,2-Trichloroethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Trichloroethene	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Vinyl chloride	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Bromodichloromethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Trichlorofluoromethane	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
**Methyl-t-butyl ether	ND	mg/kg	0.0020	1.0	1/12/05	22:40	J. Adams	8260B	9487
<b>*METALS*</b>									
**Lead	8.90	mg/kg	0.97	1.0	1/12/05	15:34	G.McCord	6010B	7382

Silica Gel Cleanup performed for TPH-DRO analysis.

## Sample Extraction Data

Parameter	Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.1 gm	1.0 ml	1/10/05		J. Davis	3550
Volatile Organics	4.95 g	5.0 ml	1/11/05	10:53	Fitzwater	5035
BTX Prep	4.97 g	5.0 ml	1/11/05	11:15	J. Redmond	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	93.	63. - 127.
TPH Hi Surr., o-Terphenyl	84.	35. - 135.
VOA Surr, 1,2-DCAd4	107.	72. - 134.
VOA Surr Toluene-d8	99.	76. - 122.
VOA Surr, 4-BFB	100.	60. - 138.
VOA Surr, DBFM	104.	75. - 137.

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## ANALYTICAL REPORT

Laboratory Number: 05-A2670  
Sample ID: S-SP1(1-4)  
Project: 2592-14X  
Page 3

### LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

# = Recovery outside Laboratory historical or method prescribed limits.

\*\* = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

Volatile sample was received in a metal tube.

The TRPH-Diesel MS/MSD were not reported due to the matrix of the sample spiked.

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**PROJECT QUALITY CONTROL DATA**

**Project Number:** 2592-14X

**Project Name:** EXXONMOBIL SR-OSA

**Page:** 1

**Laboratory Receipt Date:** 1/ 8/05

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on a true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Sample
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**\*\*UST ANALYSIS\*\***

Benzene	mg/kg	< 0.0050	0.0437	0.0500	87	16. - 158.	8996	05-A2433
Toluene	mg/kg	< 0.0050	0.0396	0.0500	79	10. - 152.	8996	05-A2433
Ethylbenzene	mg/kg	< 0.0050	0.0383	0.0500	77	10. - 160.	8996	05-A2433
Xylenes, total	mg/kg	0.0130	0.0839	0.100	71	10. - 153.	8996	05-A2433
TPH (Gasoline Range)	mg/kg	< 0.52	8.36	10.0	84	52. - 150.	8996	blank
<b>**VQA PARAMETERS**</b>								
Chlorobenzene	mg/kg	< 0.0020	0.0373	0.0500	75	46 - 137	9487	05-A2327
1,1-Dichloroethene	mg/kg	< 0.0020	0.0489	0.0500	98	60 - 138	9487	05-A2327
Trichloroethene	mg/kg	< 0.0020	0.0418	0.0500	84	49 - 148	9487	05-A2327
Tetrachloroethene	mg/kg	< 0.0020	0.0377	0.0500	75	44 - 142	9487	05-A2327
VOA Surr, 1,2-DCAd4	% Rec				102	72 - 134	9487	
VOA Surr Toluene-d8	% Rec				100	76 - 122	9487	
VOA Surr, 4-BFB	% Rec				97	60 - 136	9487	
VOA Surr, DBFM	% Rec				101	75 - 137	9487	
<b>**METALS**</b>								
Lead	mg/kg	14.6	112.	100.	97	80 - 120	7382	'2134

**Matrix Spike Duplicate**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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**\*\*UST PARAMETERS\*\***

Benzene	mg/kg	0.0437	0.0392	10.86	53.	8996
Toluene	mg/kg	0.0396	0.0349	12.62	62.	8996
Ethylbenzene	mg/kg	0.0383	0.0363	5.36	63.	8996
Xylenes, total	mg/kg	0.0839	0.0720	15.27	69.	8996
TPH (Gasoline Range)	mg/kg	8.36	10.9	26.38	39.	8996

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 2592-14X

**Project Name:** EXXONMOBIL SR-OSA

**Page:** 2

**Laboratory Receipt Date:** 1/ 8/05

**\*\*VOA PARAMETERS\*\***

Chlorobenzene	mg/kg	0.0373	0.0311	18.13	36.	9487
1,1-Dichloroethene	mg/kg	0.0489	0.0491	0.41	32.	9487
Trichloroethene	mg/kg	0.0418	0.0386	7.96	32.	9487
Tetrachloroethene	mg/kg	0.0377	0.0330	13.30	35.	9487
VOA Surr, 1,2-DCAd4	% Rec		102.			9487
VOA Surr Toluene-d8	% Rec		99.			9487
VOA Surr, 4-BFB	% Rec		99.			9487
VOA Surr, DBFM	% Rec		101.			9487

**\*\*METALS\*\***

Lead	mg/kg	112.	115.	2.64	20	7382
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**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

**\*\*UST PARAMETERS\*\***

Benzene	mg/kg	0.100	0.0961	96	72 - 124	8996
Toluene	mg/kg	0.100	0.0945	94	49 - 152	8996
Ethylbenzene	mg/kg	0.100	0.105	105	72 - 126	8996
Xylenes, total	mg/kg	0.200	0.197	98	75 - 122	8996
TPH (Gasoline Range)	mg/kg	10.0	8.36	84	74 - 127	8996
TPH (Diesel Range)	mg/kg	40.0	43.0	108	54 - 126	8321

**\*\*VOA PARAMETERS\*\***

Bromoform	mg/kg	0.0500	0.0525	105	56 - 138	9487
Bromomethane	mg/kg	0.0500	0.0454	91	38 - 155	9487
Carbon tetrachloride	mg/kg	0.0500	0.0506	101	68 - 136	9487
Chlorobenzene	mg/kg	0.0500	0.0496	99	77 - 123	9487
Chloroethane	mg/kg	0.0500	0.0505	101	51 - 147	9487
2-Chloroethylvinylether	mg/kg	0.250	< 0.0100	N/A	42 - 158	9487 ?
Chloroform	mg/kg	0.0500	0.0502	100	76 - 126	9487
Chloromethane	mg/kg	0.0500	0.0495	99	42 - 137	9487
Dibromochloromethane	mg/kg	0.0500	0.0518	104	70 - 130	9487
1,2-Dichlorobenzene	mg/kg	0.0500	0.0501	100	76 - 128	9487
1,3-Dichlorobenzene	mg/kg	0.0500	0.0494	99	69 - 129	9487
1,4-Dichlorobenzene	mg/kg	0.0500	0.0493	99	68 - 130	9487
Dichlorodifluoromethane	mg/kg	0.0500	0.0498	100	29 - 151	9487
1,1-Dichloroethane	mg/kg	0.0500	0.0511	102	75 - 128	9487
1,2-Dichloroethane	mg/kg	0.0500	0.0524	105	71 - 129	9487
1,1-Dichloroethene	mg/kg	0.0500	0.0495	99	73 - 135	9487

# TestAmerica

ANALYTICAL TESTING CORPORATION

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**PROJECT QUALITY CONTROL DATA**  
**Project Number:** 2592-14X  
**Project Name:** EXXONMOBIL SR-OSA  
**Page:** 3  
**Laboratory Receipt Date:** 1/ 8/05

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
cis-1,2-Dichloroethene	mg/kg	0.0500	0.0504	101	74 - 130	9487
trans-1,2-Dichloroethene	mg/kg	0.0500	0.0507	101	72 - 131	9487
1,2-Dichloropropane	mg/kg	0.0500	0.0511	102	77 - 127	9487
cis-1,3-Dichloropropene	mg/kg	0.0500	0.0502	100	69 - 129	9487
trans-1,3-Dichloropropene	mg/kg	0.0500	0.0508	102	67 - 128	9487
Methylene chloride	mg/kg	0.0500	0.0513	103	68 - 136	9487
1,1,2,2-Tetrachloroethane	mg/kg	0.0500	0.0518	104	62 - 128	9487
Tetrachloroethene	mg/kg	0.0500	0.0498	100	73 - 134	9487
1,1,1-Trichloroethane	mg/kg	0.0500	0.0504	101	73 - 131	9487
1,1,2-Trichloroethane	mg/kg	0.0500	0.0515	103	73 - 125	9487
Trichloroethene	mg/kg	0.0500	0.0493	99	75 - 135	9487
Vinyl chloride	mg/kg	0.0500	0.0501	100	53 - 140	9487
Bromodichloromethane	mg/kg	0.0500	0.0510	102	76 - 131	9487
Trichlorofluoromethane	mg/kg	0.0500	0.0499	100	57 - 144	9487
Methyl-t-butyl ether	mg/kg	0.0500	0.0504	101	67 - 138	9487
VOA Surr, 1,2-DCAd4	% Rec			100	72 - 134	9487
VOA Surr Toluene-d8	% Rec			99	76 - 122	9487
VOA Surr, 4-BFB	% Rec			99	60 - 138	9487
VOA Surr, DBFM	% Rec			100	75 - 137	9487
<b>**METALS**</b>						
Lead	mg/kg	100.	94.0	94	80 - 120	7382

**Duplicates**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

**Blank Data**

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

**PROJECT QUALITY CONTROL DATA**
**Project Number:** 2592-14X

**Project Name:** EXXONMOBIL SR-OSA

**Page:** 4

**Laboratory Receipt Date:** 1/ 8/05

## Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Benzene	< 0.0009	mg/kg	8996	1/11/05	10:34
Toluene	0.0006	mg/kg	8996	1/11/05	10:34
Ethylbenzene	< 0.0005	mg/kg	8996	1/11/05	10:34
Xylenes, total	0.0050	mg/kg	8996	1/11/05	10:34
TPH (Gasoline Range)	< 0.52	mg/kg	8996	1/11/05	10:34
TPH (Diesel Range)	1.64	mg/kg	8321	1/11/05	22:43
UST surr-Tri fluorotoluene	90.	% Recovery	8996	1/11/05	10:34
<b>**VOA PARAMETERS**</b>					
Bromoform	< 0.0005	mg/kg	9487	1/12/05	13:57
Bromomethane	< 0.0013	mg/kg	9487	1/12/05	13:57
Carbon tetrachloride	< 0.0010	mg/kg	9487	1/12/05	13:57
Chlorobenzene	< 0.0001	mg/kg	9487	1/12/05	13:57
Chloroethane	< 0.0008	mg/kg	9487	1/12/05	13:57
2-Chloroethylvinylether	< 0.0066	mg/kg	9487	1/12/05	13:57
Chloroform	< 0.0006	mg/kg	9487	1/12/05	13:57
Chloromethane	< 0.0007	mg/kg	9487	1/12/05	13:57
Dibromochloromethane	< 0.0008	mg/kg	9487	1/12/05	13:57
1,2-Dichlorobenzene	< 0.0006	mg/kg	9487	1/12/05	13:57
1,3-Dichlorobenzene	< 0.0006	mg/kg	9487	1/12/05	13:57
1,4-Dichlorobenzene	< 0.0007	mg/kg	9487	1/12/05	13:57
Dichlorodifluoromethane	< 0.0007	mg/kg	9487	1/12/05	13:57
1,1-Dichloroethane	< 0.0006	mg/kg	9487	1/12/05	13:57
1,2-Dichloroethane	< 0.0007	mg/kg	9487	1/12/05	13:57
1,1-Dichloroethene	< 0.0006	mg/kg	9487	1/12/05	13:57
cis-1,2-Dichloroethene	< 0.0007	mg/kg	9487	1/12/05	13:57
trans-1,2-Dichloroethene	< 0.0008	mg/kg	9487	1/12/05	13:57
1,2-Dichloropropane	< 0.0007	mg/kg	9487	1/12/05	13:57
cis-1,3-Dichloropropene	< 0.0005	mg/kg	9487	1/12/05	13:57
trans-1,3-Dichloropropene	< 0.0006	mg/kg	9487	1/12/05	13:57
Methylene chloride	< 0.0008	mg/kg	9487	1/12/05	13:57
1,1,2,2-Tetrachloroethane	< 0.0006	mg/kg	9487	1/12/05	13:57
Tetrachloroethene	< 0.0008	mg/kg	9487	1/12/05	13:57
1,1,1-Trichloroethane	< 0.0006	mg/kg	9487	1/12/05	13:57
1,1,2-Trichloroethane	< 0.0007	mg/kg	9487	1/12/05	13:57
Trichloroethene	< 0.0007	mg/kg	9487	1/12/05	13:57
Vinyl chloride	< 0.0007	mg/kg	9487	1/12/05	13:57
Bromodichloromethane	< 0.0005	mg/kg	9487	1/12/05	13:57
Trichlorofluoromethane	< 0.0006	mg/kg	9487	1/12/05	13:57

**PROJECT QUALITY CONTROL DATA**  
**Project Number:** 2592-14X  
**Project Name:** EXXONMOBIL SR-OSA  
**Page:** 5  
**Laboratory Receipt Date:** 1/ 8/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methyl-t-butyl ether	< 0.0009	mg/kg	9487	1/12/05	13:57
VOA Surr, 1,2-DCAd4	105.	% Rec	9487	1/12/05	13:57
VOA Surr Toluene-d8	101.	% Rec	9487	1/12/05	13:57
VOA Surr, 4-BFB	102.	% Rec	9487	1/12/05	13:57
VOA Surr, DBFM	101.	% Rec	9487	1/12/05	13:57
**METALS**					
Lead	< 0.36	mg/kg	7382	1/12/05	15:34

# = Value outside Laboratory historical or method prescribed QC limits.



**COOLER RECEIPT FORM**

BC#

402436

Client Name : ERT

Cooler Received/Opened On: 1/08/05 Accessioned By: Shawn Gracey

Log-in Personnel Signature [Signature]

1. Temperature of Cooler when triaged: 4.8 Degrees Celsius
2. Were custody seals on outside of cooler? .....  YES...NO...NA  
a. If yes, how many, and where: 1, Front
3. Were custody seals on containers? .....  NO...YES...NA
4. Were the seals intact, signed, and dated correctly? .....  YES...NO...NA
5. Were custody papers inside cooler? .....  YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)? .....  YES...NO...NA
7. Did you sign the custody papers in the appropriate place? .....  YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry ice  Other  None
10. Did all containers arrive in good condition (unbroken)? .....  YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? .....  YES...NO...NA
12. Did all container labels and tags agree with custody papers? .....  YES...NO...NA
13. Were correct containers used for the analysis requested? .....  YES...NO...NA
14. a. Were VOA vials received? .....  YES...NO...NA  
b. Was there any observable head space present in any VOA vial? .....  NO...YES...NA
15. Was sufficient amount of sample sent in each container? .....  YES...NO...NA
16. Were correct preservatives used? .....  YES...NO...NA

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present? .....  NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for FedEx only) and Name of Courier below:  
1054

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:



**ATTACHMENT G**

**SOIL DISPOSAL DOCUMENTATION**

## REPUBLIC SERVICES VASCO ROAD, LLC

14001 N. Vasco Road, Livermore, California 94551 • (925) 447-8491

267284

TRUCKER: 61492G  
 CUSTOMER: DILL / DILLARD/EXXON  
 TRUCK #: 1 (Sticker is # 2070128201067)  
 LOAD #: S007814  
 PROFILE #: 1002882

DATE: 02/04/2005

TIME: 09:35 - 09:35

GENERATOR: 1002882 / EXXON BR-DSA  
 ORIGIN: 117 / SANTA ROSA

GROSS: 0 LBS Manual  
 TARE: 0 LBS  
 NET: 0 LBS

LICENSE  
 COMMENTS

WASTE	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
-------	-------------	----------	------	------	--------

SOIL DRUMS

1.00 U

I certify that I have not disposed  
of any liquid or hazardous waste.

Total:  
Mark Pursell

Weightmaster

DRIVER

RECYCLING

## WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity  
was weighed, measured, or counted by a weighmaster, whose  
signature is on this certificate, who is a recognized authority of  
accuracy, as prescribed by Chapter 7 (commencing with  
Section 12700) of Division 5 of the California Business and  
Professions Code, administered by the division of Measurement  
Standards of the California Department of Food & Agriculture.

WARNING: Transporting any unauthorized  
hazardous waste to this facility for disposal is  
prohibited by law. Persons violating this prohibition  
are subject to civil and criminal prosecution.  
All children must remain in vehicles.  
Absolutely no salvaging allowed.